

CURSO DE DESENHO TÉCNICO

CADERNO DE EXERCÍCIOS

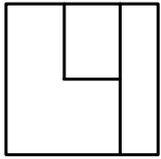
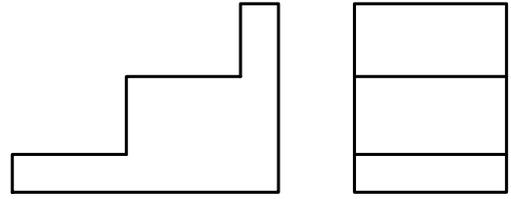
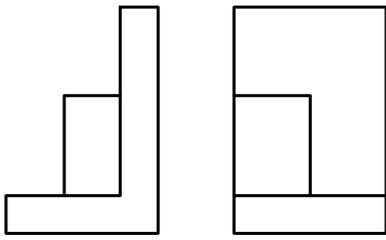
RESOLVIDO

LEITURA E INTERPRETAÇÃO DE DESENHOS TÉCNICOS

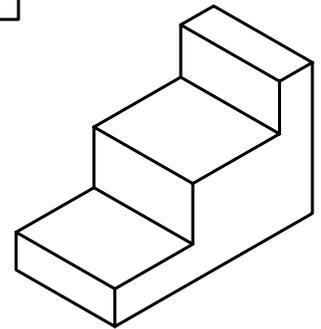
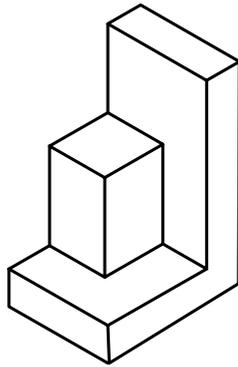
**Registro ISBN (International Standard Book Number) :
978 – 85 – 60328 – 04 - 8**

Este Caderno de Exercícios, contendo os trabalhos numerados de TC/TS 01 a TC/TS 37, incorpora o treinamento necessário para o entendimento e fixação da teoria apresentada no Curso de Leitura e Interpretação de Desenho Técnico.

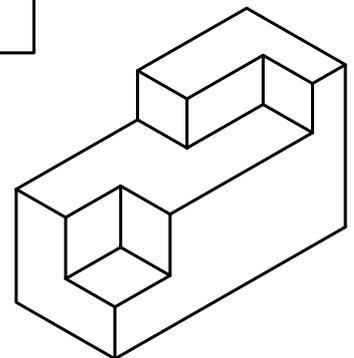
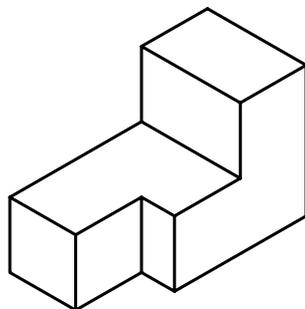
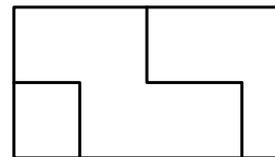
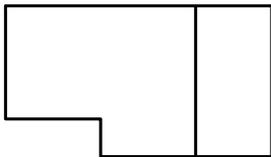
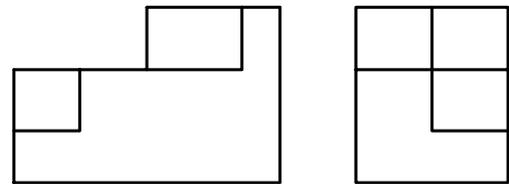
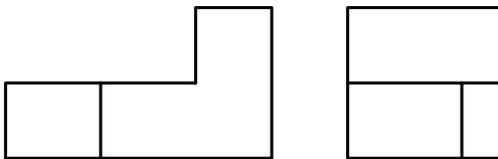
Prof. Antonio CLELIO Ribeiro



As dimensões da peça são preservadas em todas as vistas

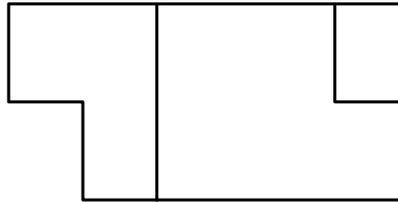
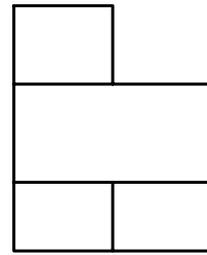
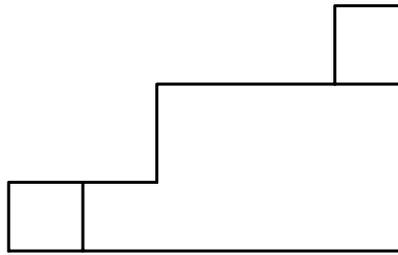
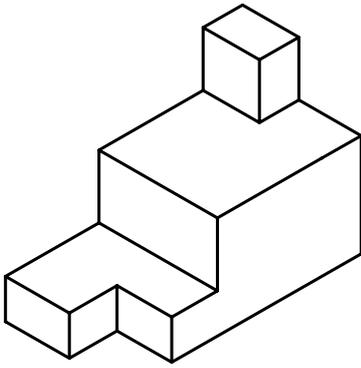


FAZER A MÃO LIVRE



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<i>CURSO DE DESENHO TÉCNICO</i>				<i>TC/TS -01.1</i>
Nome <i>RESOLVIDO</i>		Título PROJEÇÕES ORTOGONAIS <i>Dada a perspectiva, completar o desenho das vistas colocando as linhas faltantes</i>		Nota
Número	Turma	Data	Prof. Clélio	

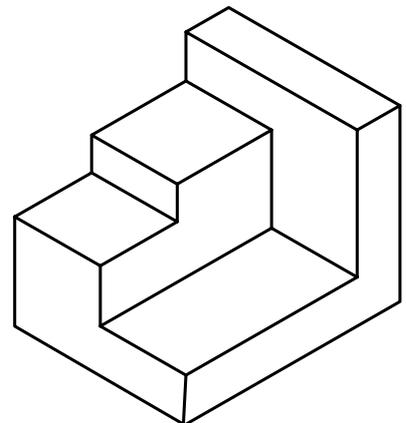
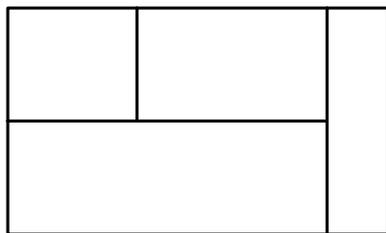
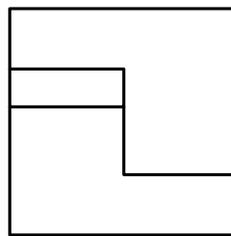
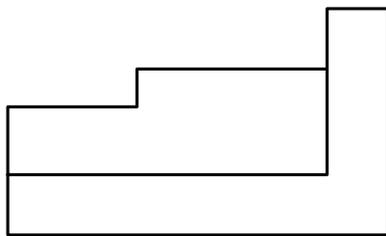
Desenhar a vista lateral



As distâncias entre as vistas devem ser iguais

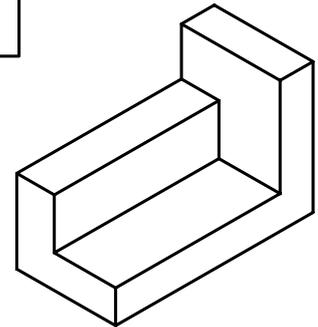
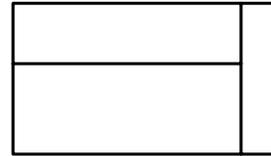
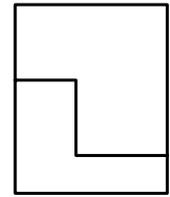
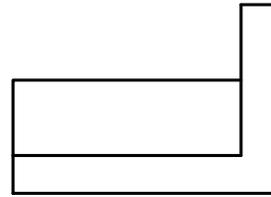
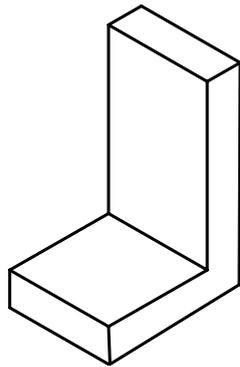
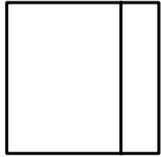
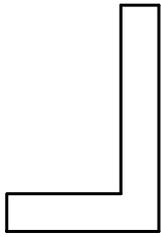
FAZER A MÃO LIVRE

As vistas devem ser alinhadas verticalmente e horizontalmente

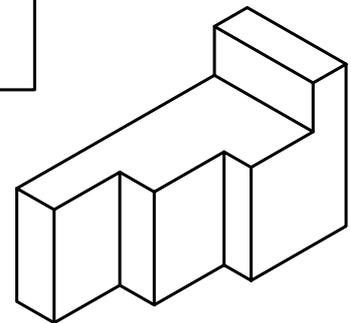
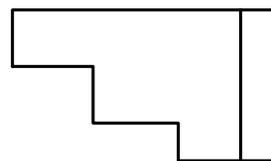
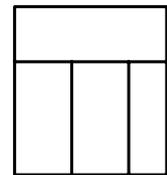
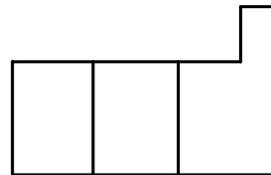
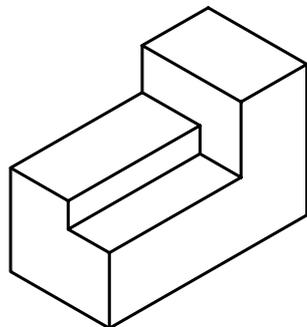
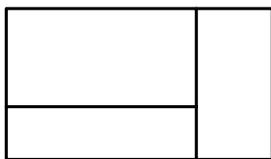
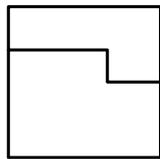
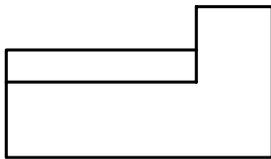


Desenhar a vista superior

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
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Nome RESOLVIDO		Título PROJEÇÕES ORTOGONAIS		Nota
Número	Turma	Data	Dadas duas vistas e a perspectiva, desenhar a terceira vista	
				Prof. Clélio

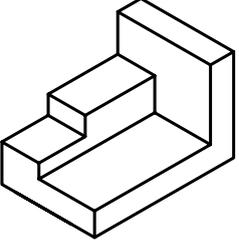
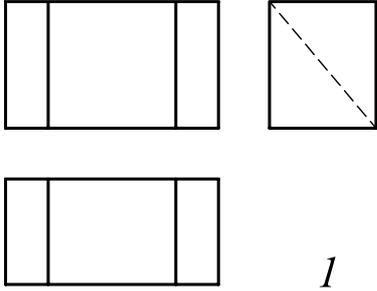
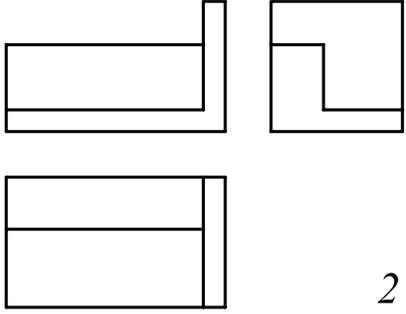
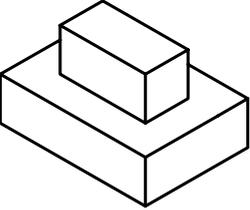
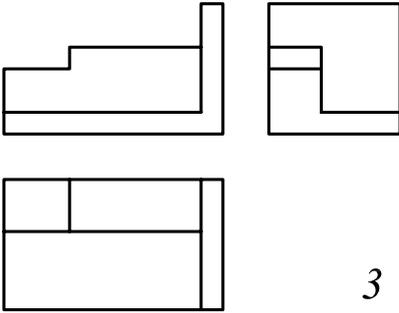
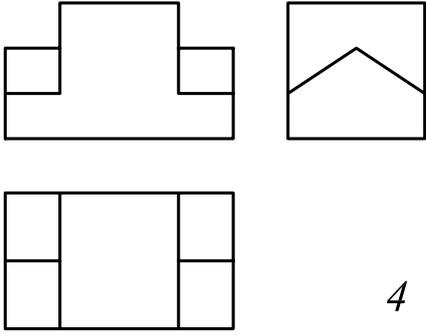
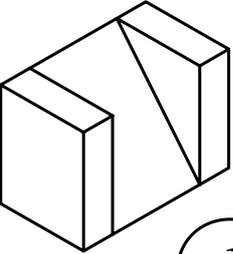
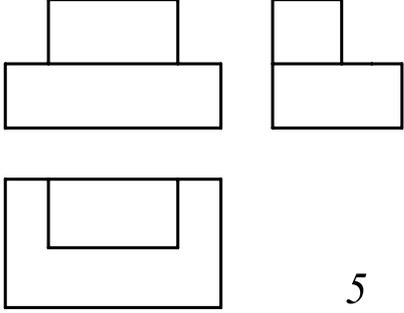
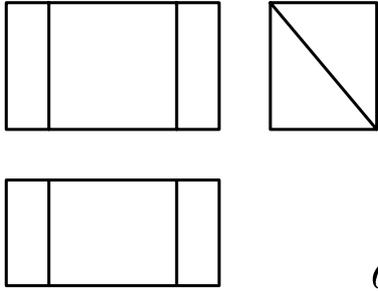
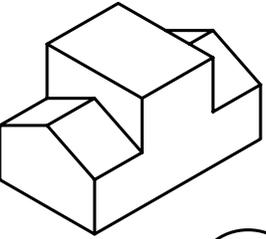
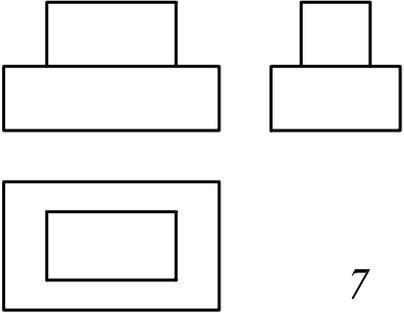
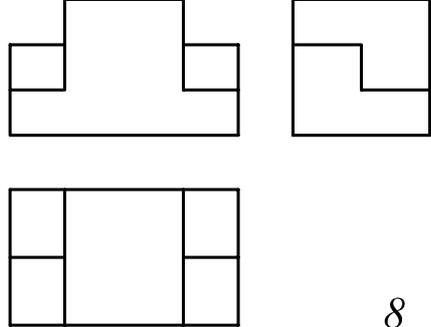


FAZER A MÃO LIVRE



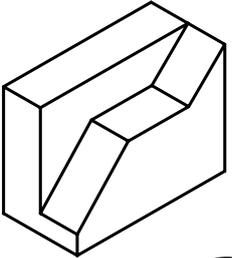
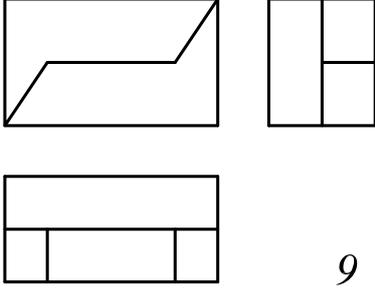
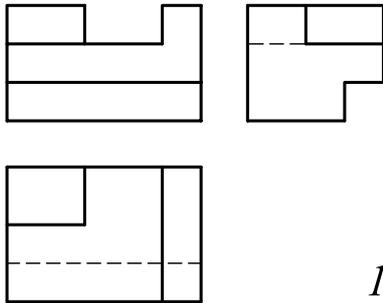
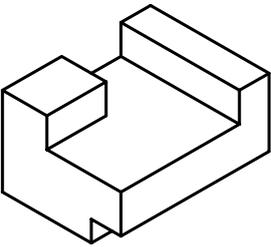
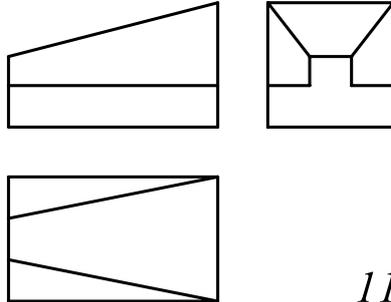
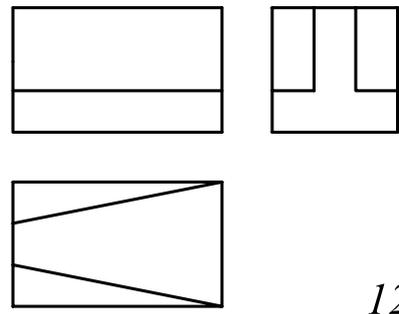
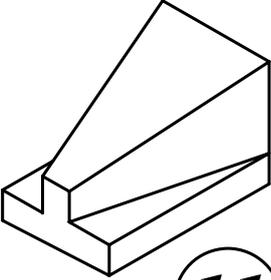
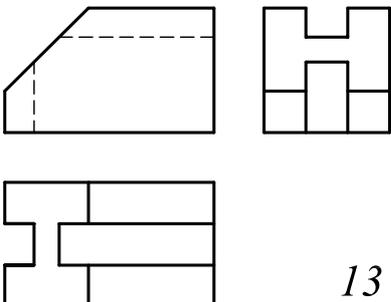
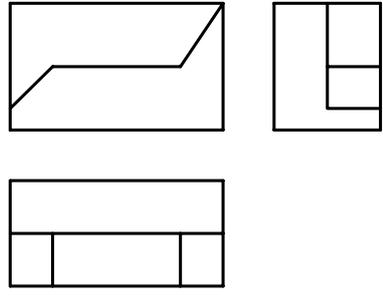
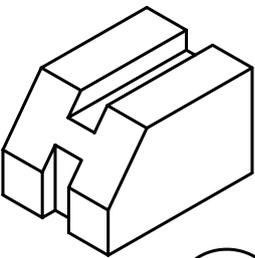
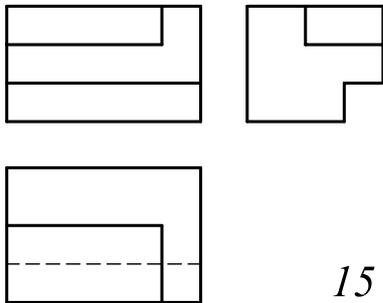
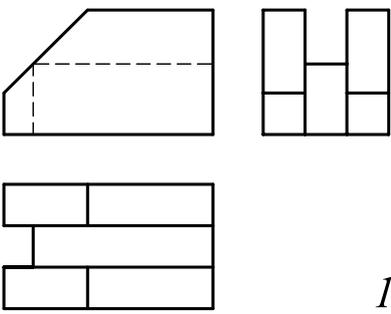
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CURSO DE DESENHO TÉCNICO				TC/TS -01.3
Nome RESOLVIDO		Título PROJEÇÕES ORTOGONAIS		Nota
Número	Turma	Data	Dada a perspectiva e a vista de frente, desenhar as vistas superior e lateral esquerda	
				Prof. Clélio

Entre as oito projeções ortogonais desenhadas abaixo, quatro pertencem às peças representadas em perspectiva.
 Anote em cada perspectiva o número correspondente às suas projeções.

 <p style="text-align: center;">3</p>	 <p style="text-align: center;">1</p>	 <p style="text-align: center;">2</p>
 <p style="text-align: center;">7</p>	 <p style="text-align: center;">3</p>	 <p style="text-align: center;">4</p>
 <p style="text-align: center;">1</p>	 <p style="text-align: center;">5</p>	 <p style="text-align: center;">6</p>
 <p style="text-align: center;">4</p>	 <p style="text-align: center;">7</p>	 <p style="text-align: center;">8</p>

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 02.1
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Número	Turma	Data	Prof. Clélio	

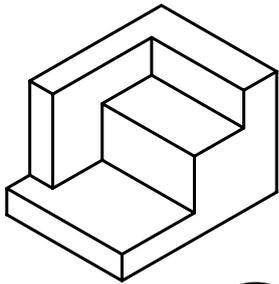
Entre as oito projeções ortogonais desenhadas abaixo, quatro pertencem às peças representadas em perspectiva.
 Anote em cada perspectiva o número correspondente às suas projeções.

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 <p style="text-align: center;">10</p>	 <p style="text-align: center;">11</p>	 <p style="text-align: center;">12</p>
 <p style="text-align: center;">11</p>	 <p style="text-align: center;">13</p>	 <p style="text-align: center;">14</p>
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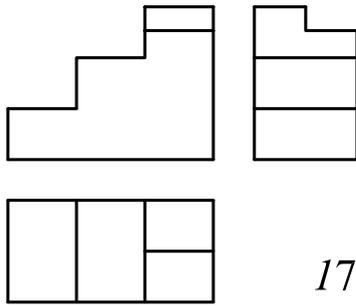
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CURSO DE DESENHO TÉCNICO				TC/TS - 02.2
Nome	RESOLVIDO			Título
Número	Turma	Data	LEITURA E INTERPRETAÇÃO DE DESENHOS	Nota
				Prof. Clélio

Entre as oito projeções ortogonais desenhadas abaixo, quatro pertencem às peças representadas em perspectiva.

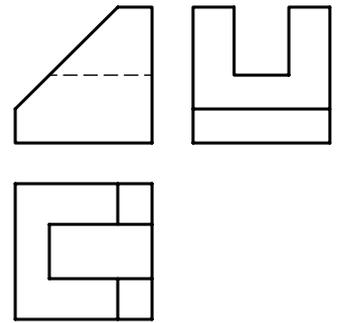
Anote em cada perspectiva o número correspondente às suas projeções.



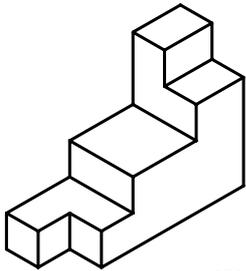
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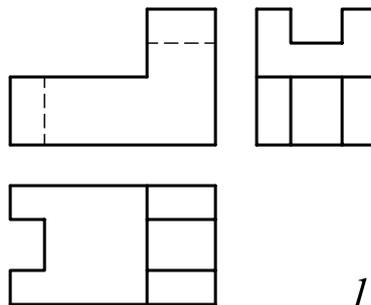
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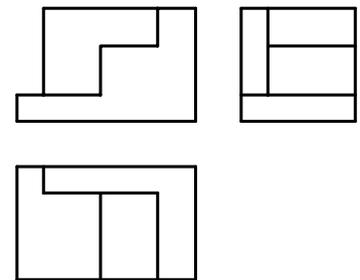
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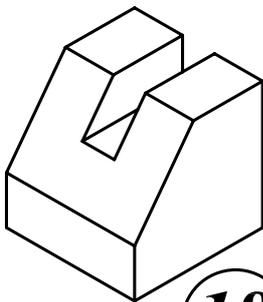
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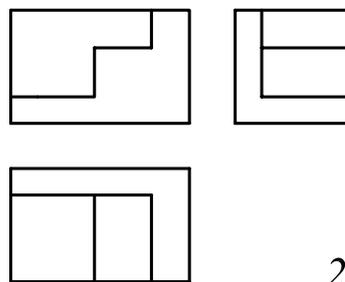
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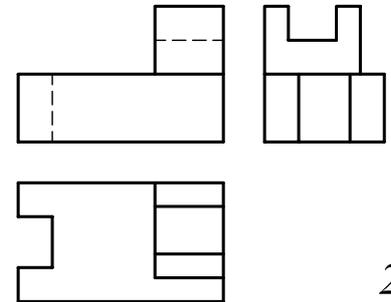
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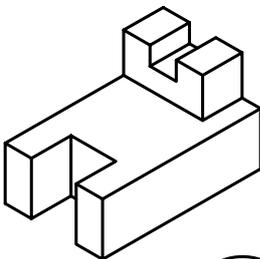
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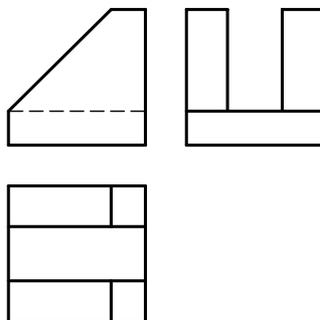
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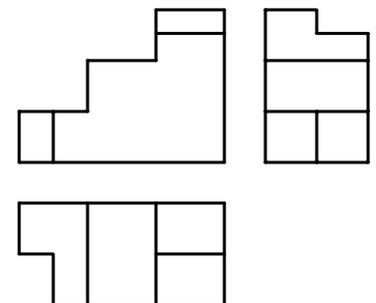
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22



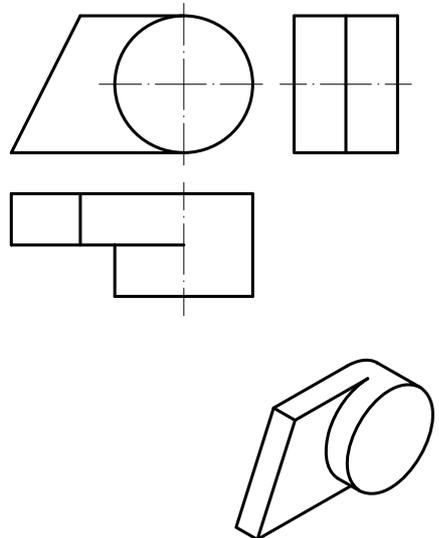
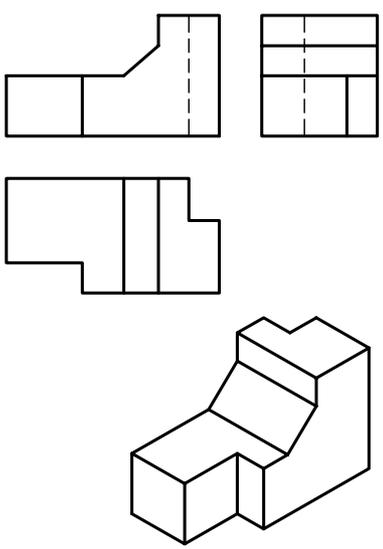
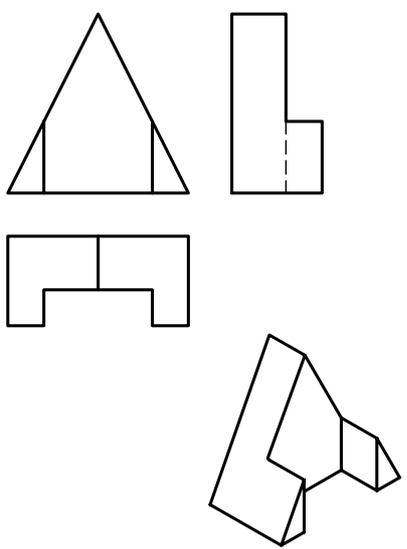
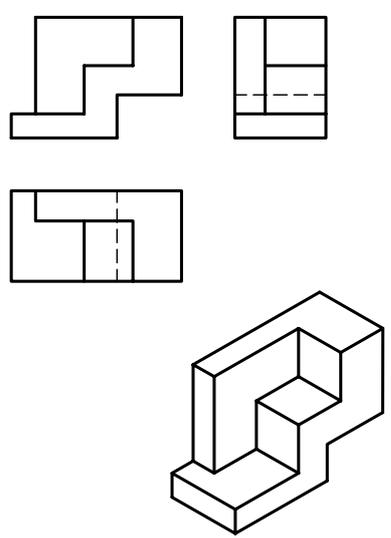
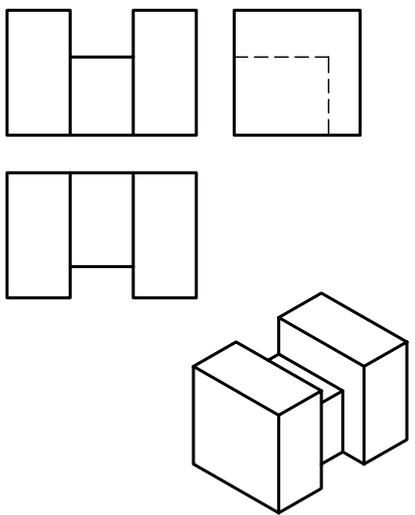
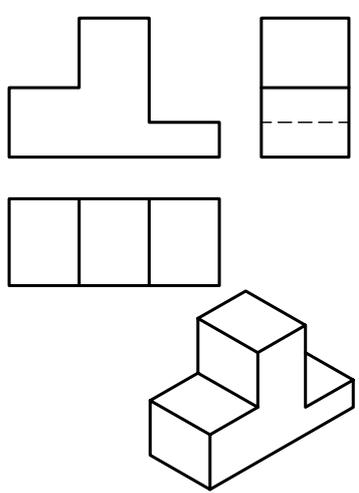
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24

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
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Nome	RESOLVIDO			Título
Número	Turma	Data	LEITURA E INTERPRETAÇÃO DE DESENHOS	
				Nota
				Prof. Clélio

Dadas as perspectiva, analisar os desenhos e colocar as linhas que faltam nas projeções ortogonais



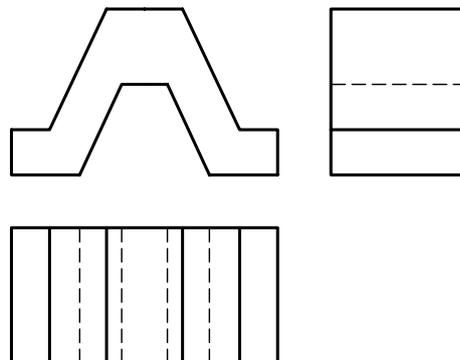
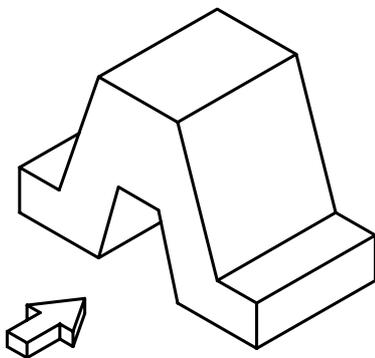
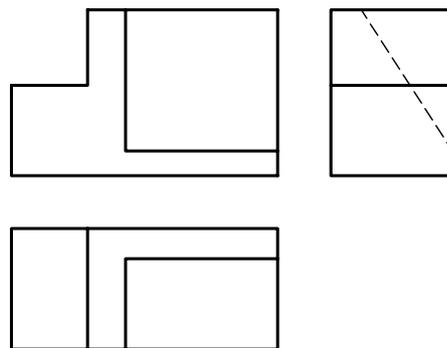
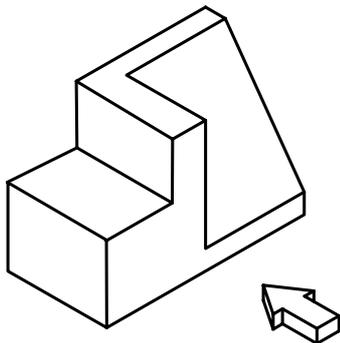
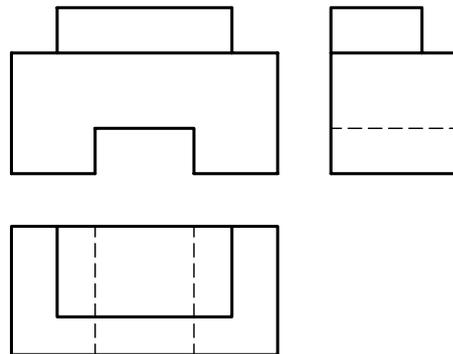
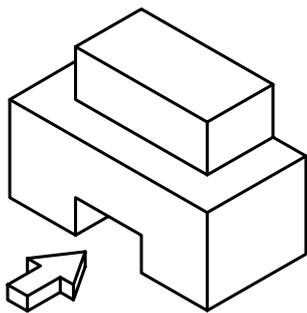
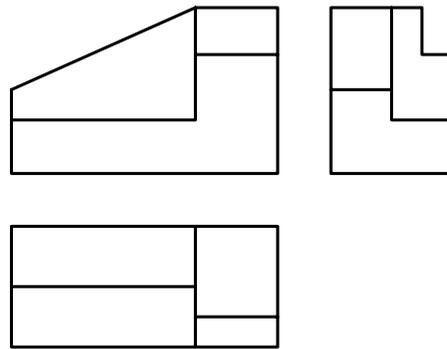
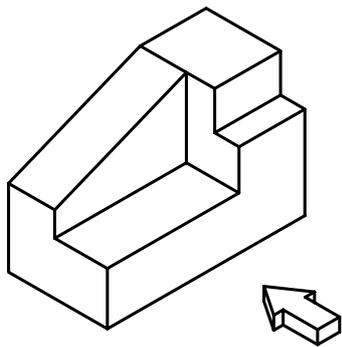
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -03.1
Nome		Título		Nota
RESOLVIDO		LEITURA E INTERPRETAÇÃO DE DESENHOS		
Número	Turma	Data	Prof. Clélio	

Dadas as perspectiva, analisar os desenhos e colocar as linhas que faltam nas projeções ortogonais

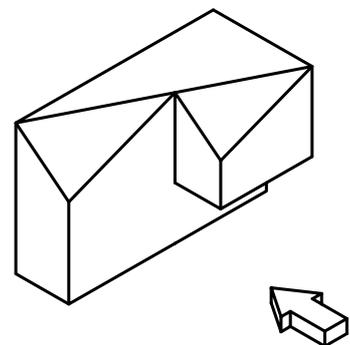
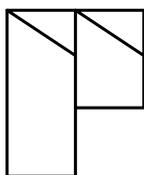
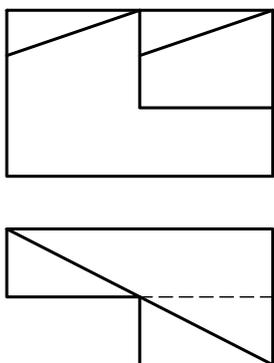
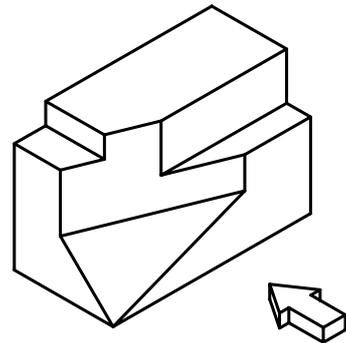
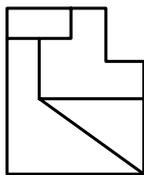
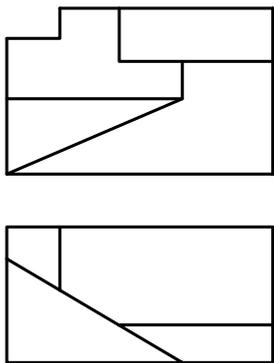
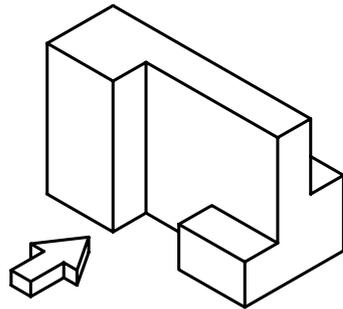
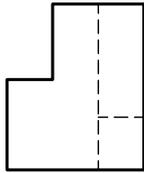
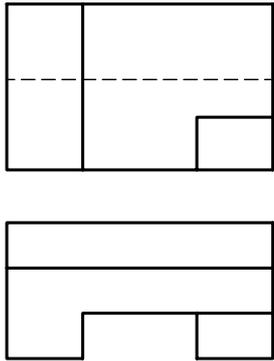
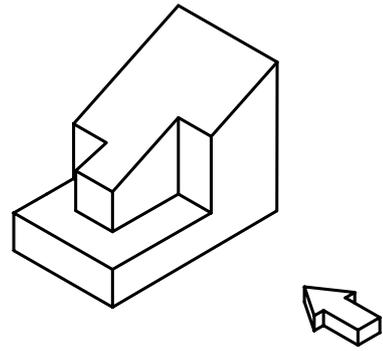
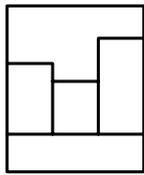
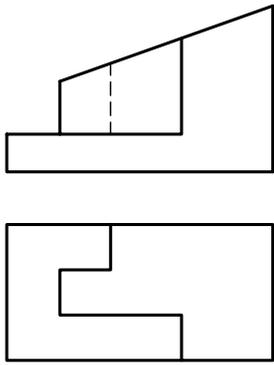
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CURSO DE DESENHO TÉCNICO				TC/TS -03.2
Nome RESOLVIDO		Título LEITURA E INTERPRETAÇÃO DE DESENHOS		Nota
Número	Turma	Data	Prof. Clélio	

Dadas as perspectiva, analisar os desenhos e colocar as linhas que faltam nas projeções ortogonais

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -03.3
Nome RESOLVIDO		Título LEITURA E INTERPRETAÇÃO DE DESENHOS		Nota
Número	Turma	Data	Prof. Clélio	

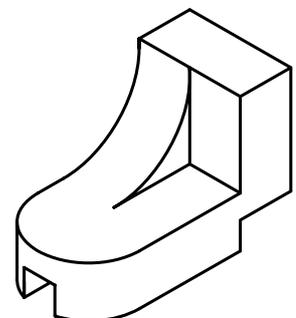
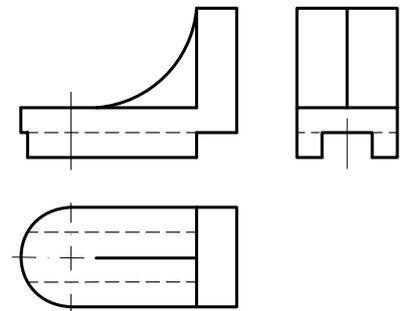
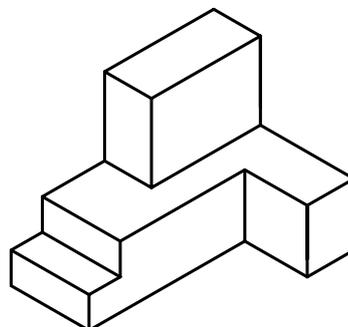
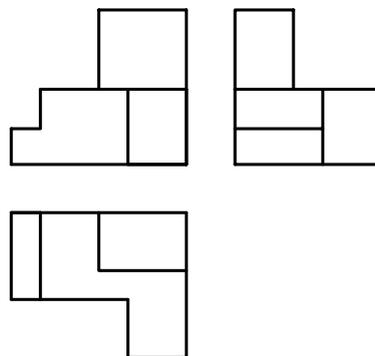
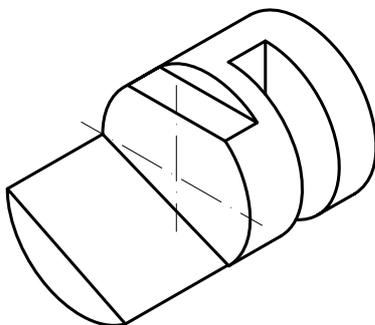
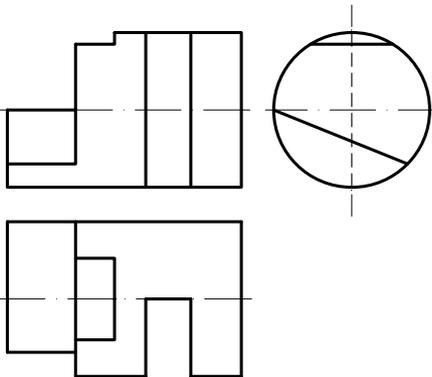
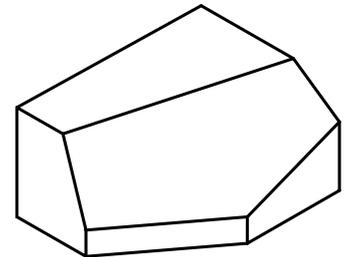
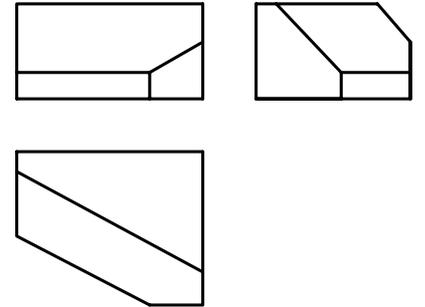
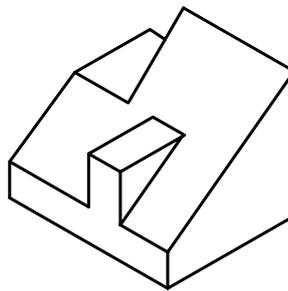
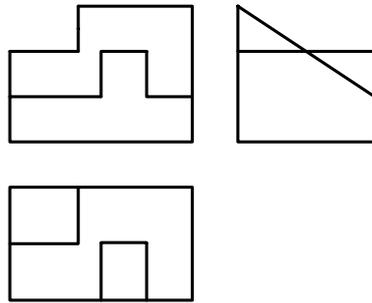
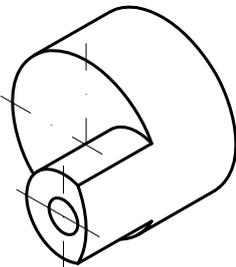
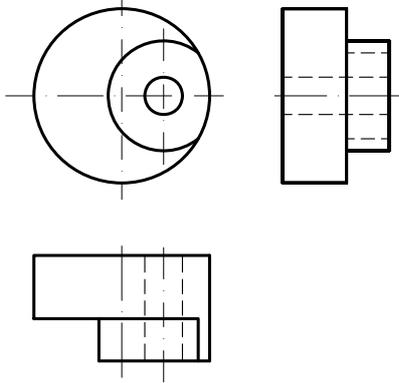


ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -04.1
Nome RESOLVIDO		Título PROJEÇÕES ORTOGONAIS		Nota
Número	Turma	Data	Dadas as perspectivas, e as vistas de frente, desenhar as vistas superior e lateral	
				Prof. Clélio



ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -04.2
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES ORTOGONAIS	
			Dadas as perspectivas, e as vistas de frente, desenhar as vistas superior e lateral	Prof. Clélio

Dadas as perspectiva, analisar os desenhos e colocar as linhas que faltam nas projeções ortogonais



ITEM

DENOMINAÇÃO

Qdade.

MATERIAL

DIMENSÕES

CURSO DE DESENHO TÉCNICO

TC/TS -05

Nome

RESOLVIDO

Título

LEITURA E INTERPRETAÇÃO
DE DESENHOS

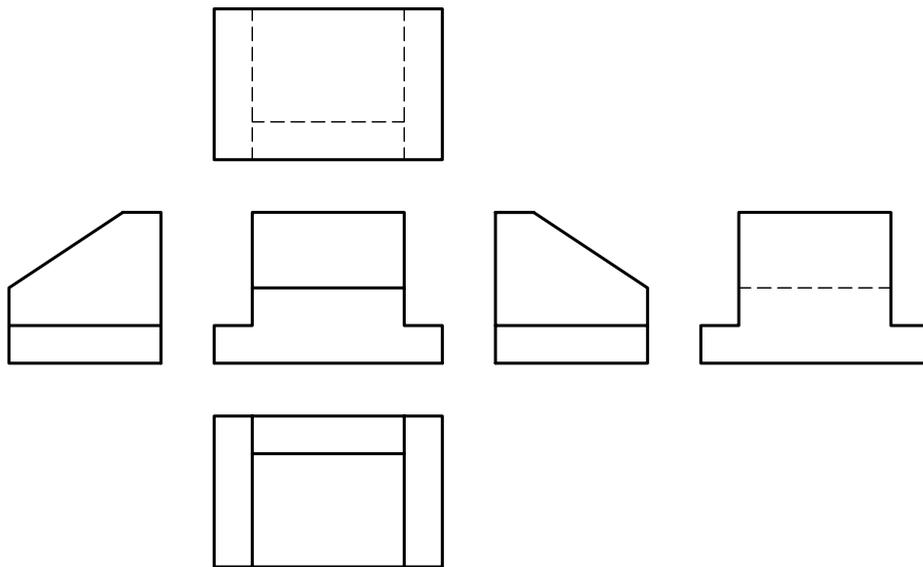
Nota

Número

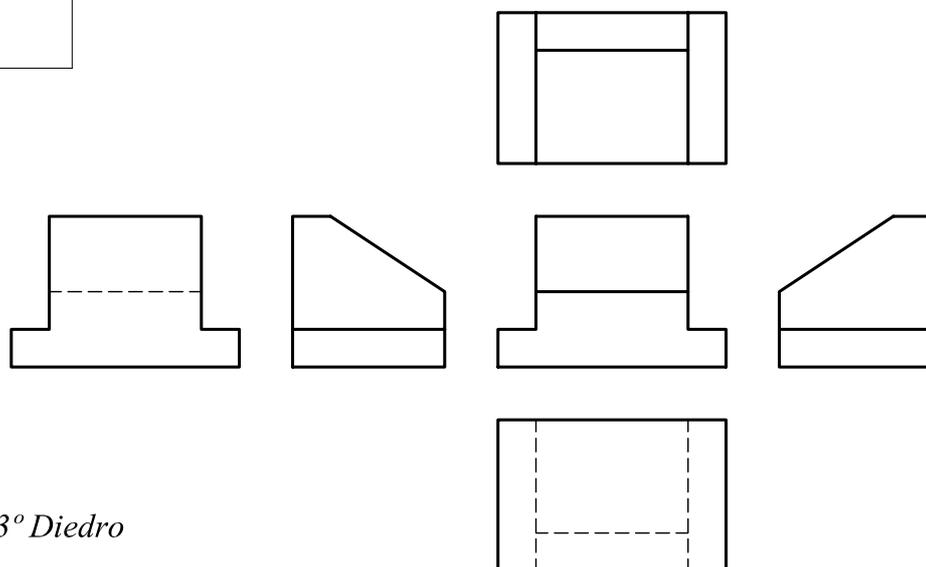
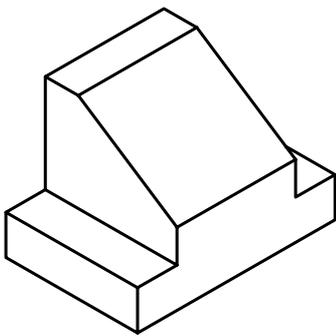
Turma

Data

Prof. Clélio

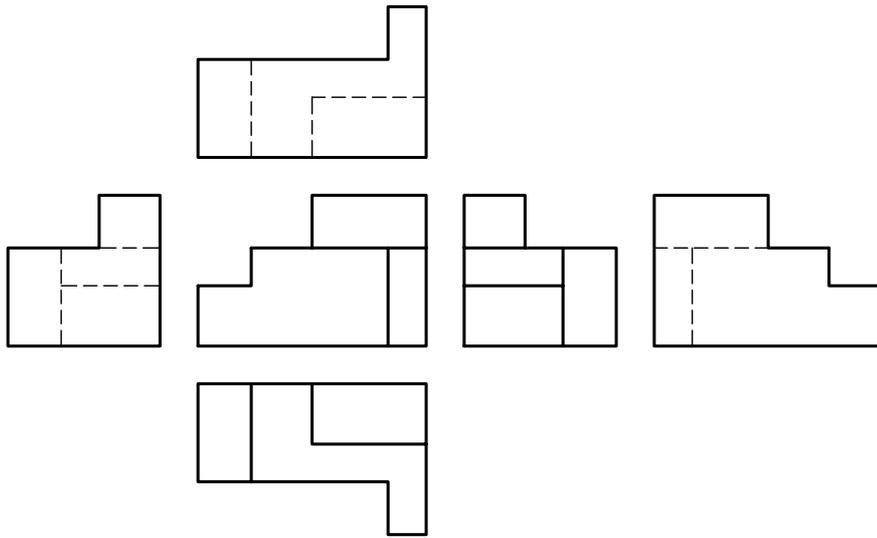


1º Diedro

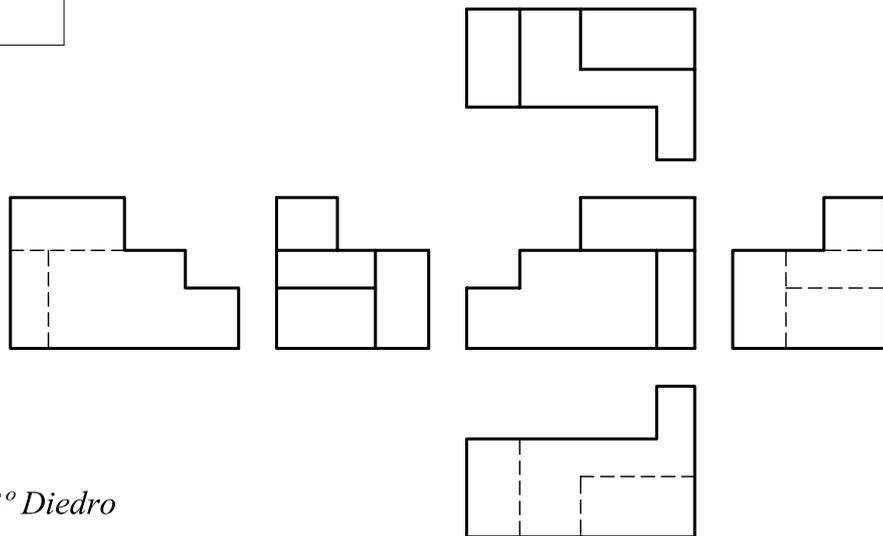
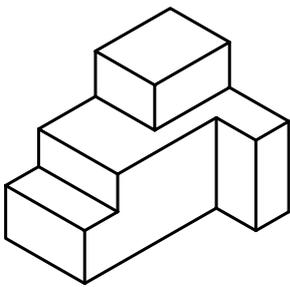


3º Diedro

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 06
Nome		Título		Nota
RESOLVIDO		PROJEÇÕES ORTOGONAIS		
Número		Data		Prof. Clélio
Turma		Data		
<i>Dada a perspectiva e a vista de frente, desenhar, de acordo com o diedro indicado, as seis vistas principais.</i>				

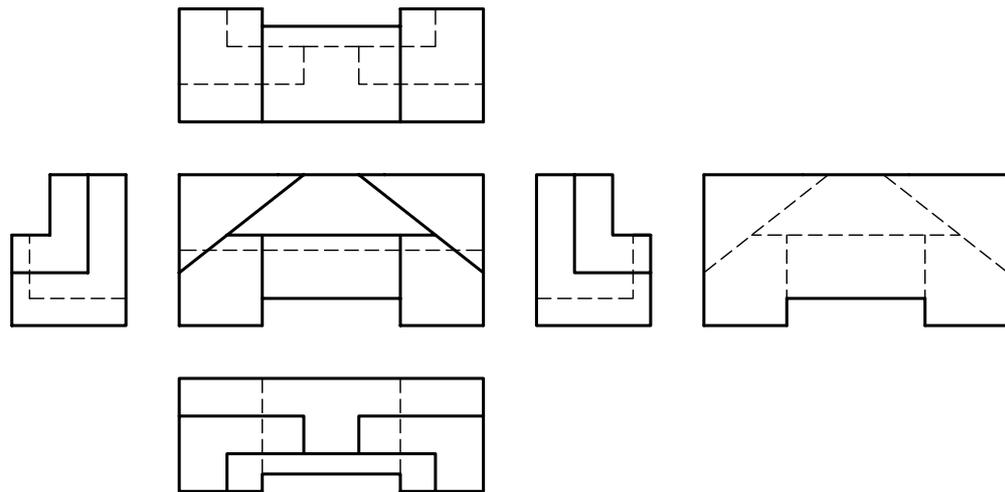


1º Diedro

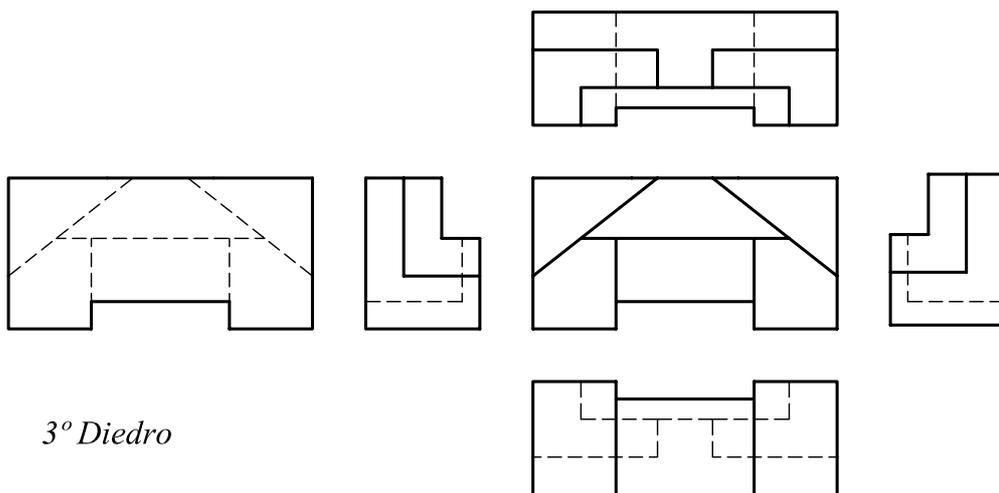
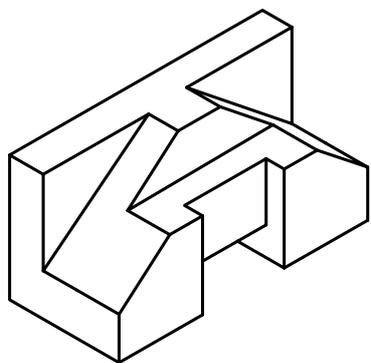


3º Diedro

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 07
Nome		Turma		Data
RESOLVIDO				
Número		Titulo		Nota
		PROJEÇÕES ORTOGONAIS Dada a perspectiva e as três vistas preferênciais, desenhar, de acordo com o diedro indicado, as três vistas que faltam de modo a obter as seis vistas principais.		Prof. Clélio

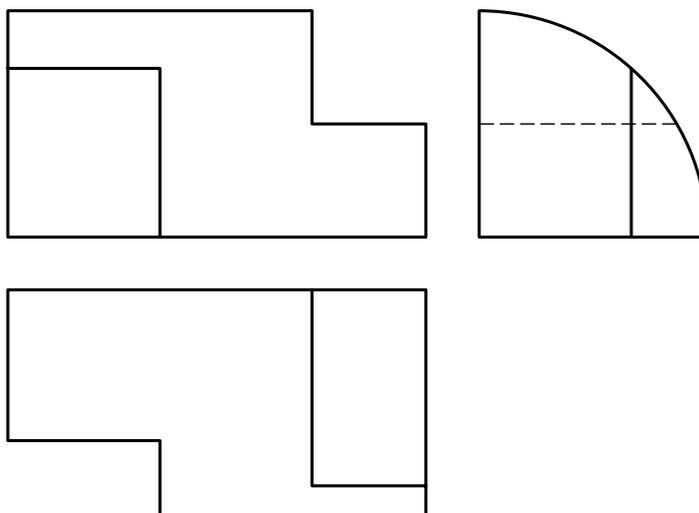
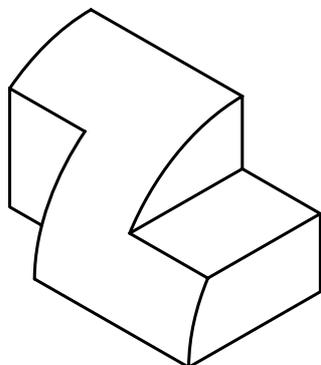


1º Diedro

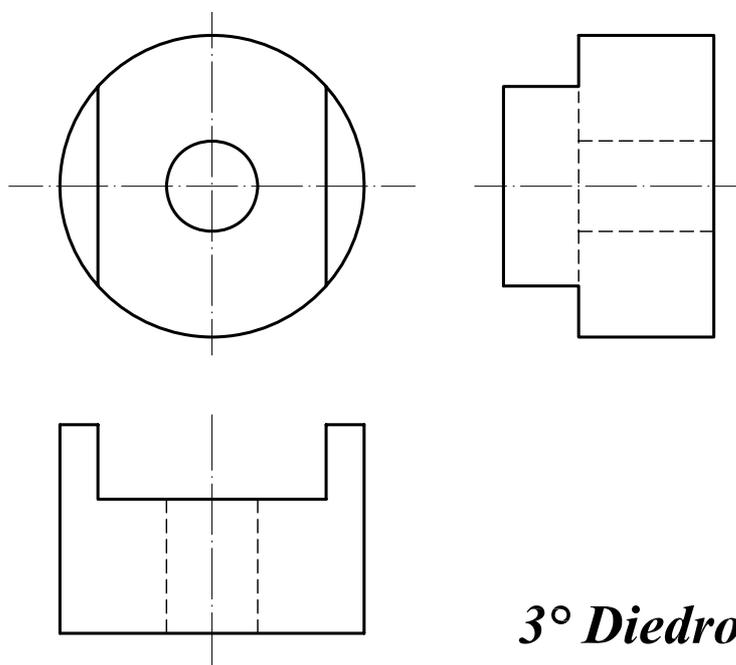
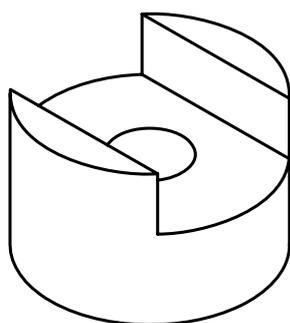


3º Diedro

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 08
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJECÇÕES ORTOGONAIS Dada a perspectiva e as vistas de frente, laterais e posterior; desenhar, de acordo com o diedro indicado, as vistas superior e inferior.	

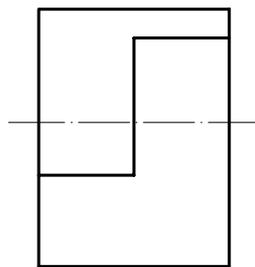
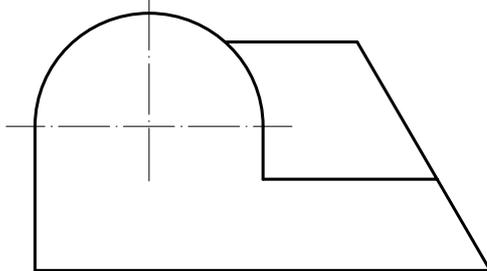
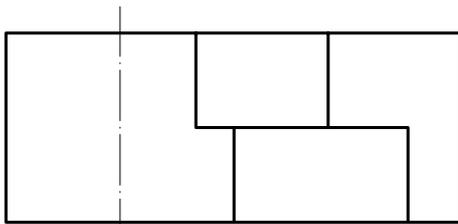
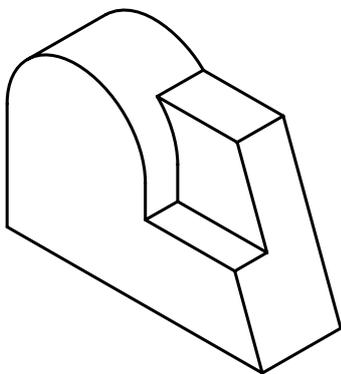


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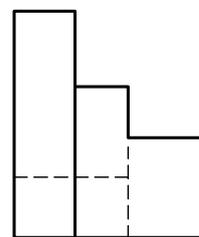
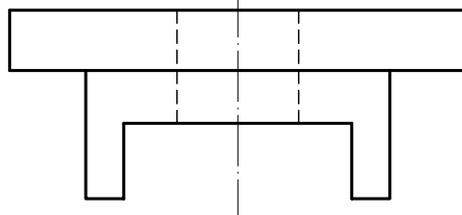
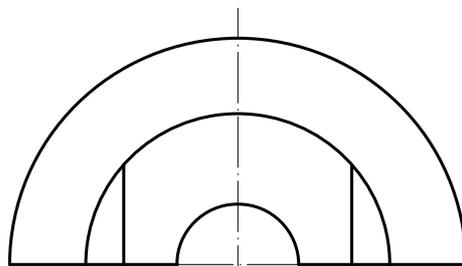
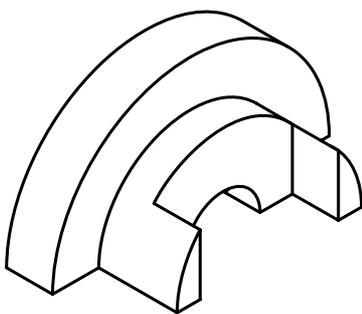


3º Diedro

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 09.1
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES ORTOGONAIS Dadas duas vistas e a perspectiva, identificar o Diedro e desenhar a terceira vista que melhor representa a peça	Prof. Clélio

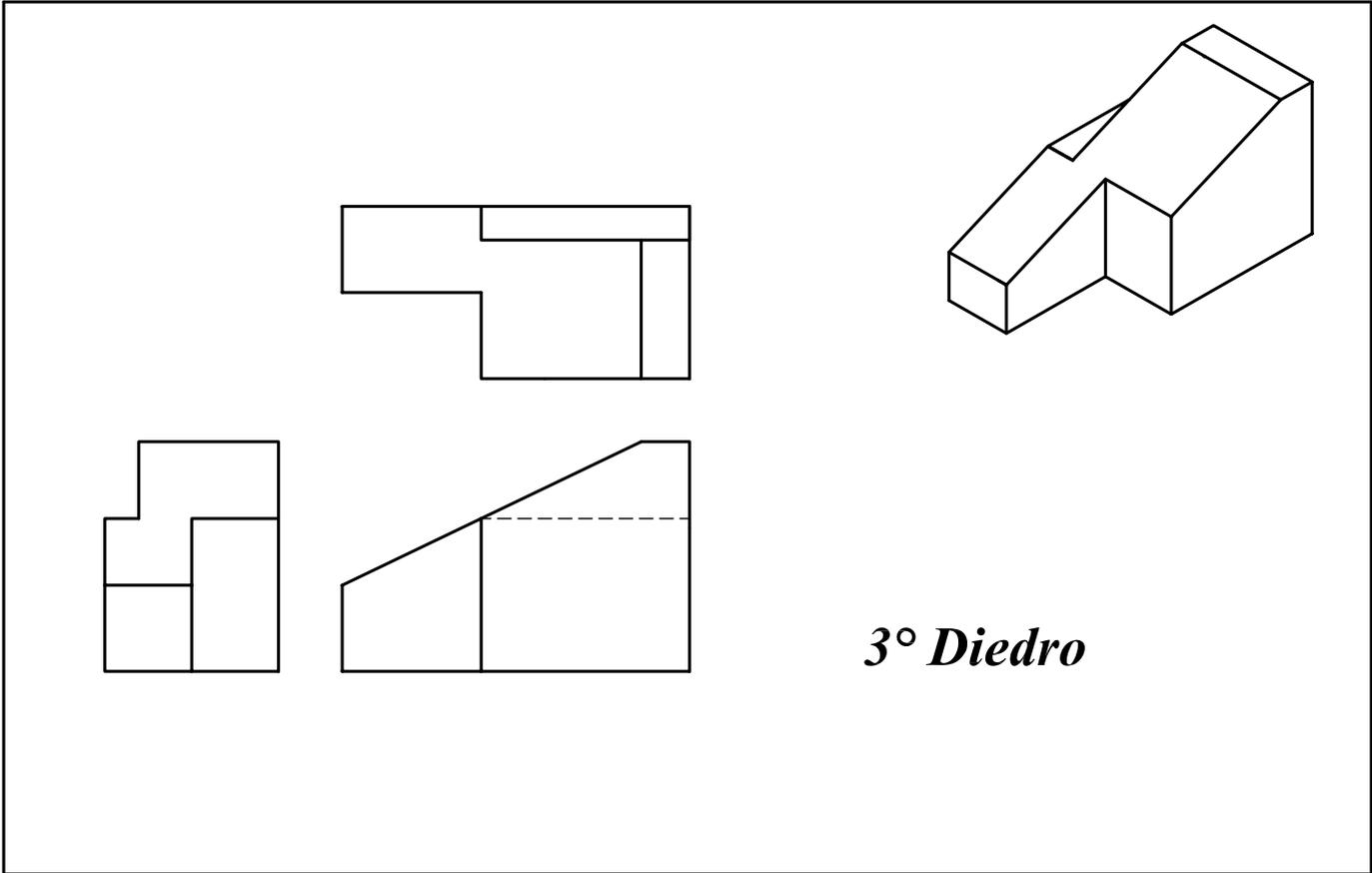


3° Diedro

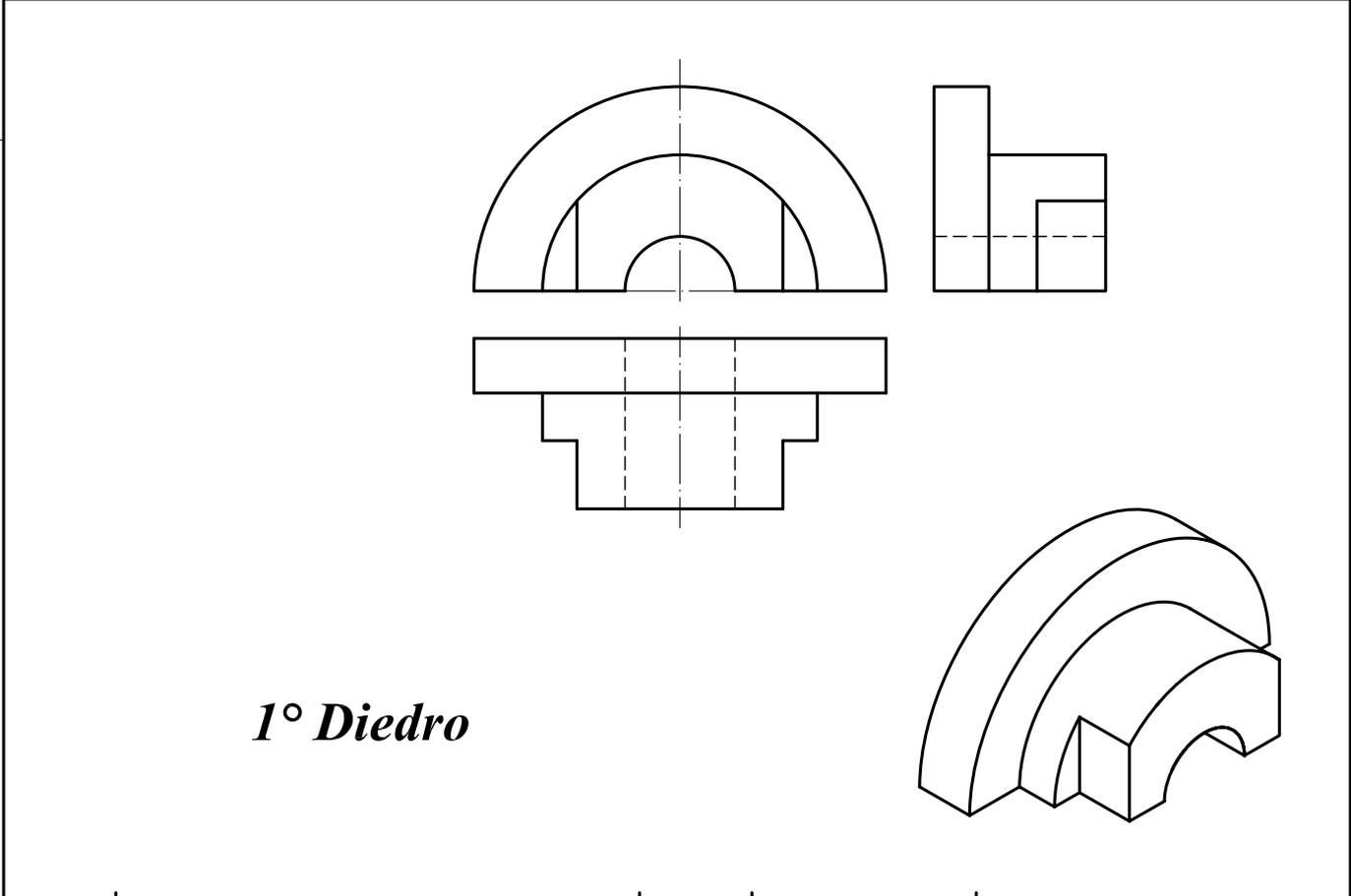


1° Diedro

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 09.2
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES ORTOGONAIS Dadas duas vistas e a perspectiva, identificar o Diedro e desenhar a terceira vista que melhor representa a peça	
				Prof. Clélio

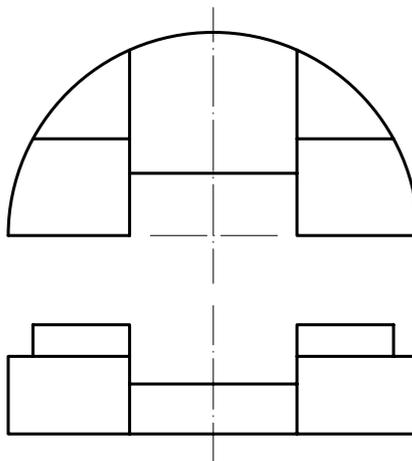
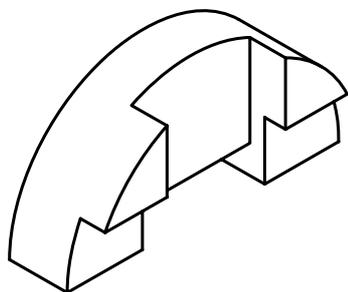


3º Diedro

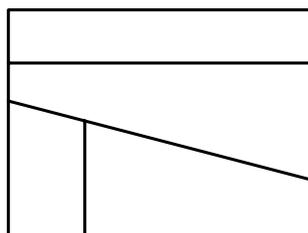
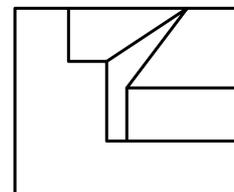
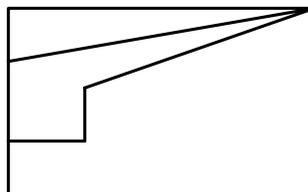
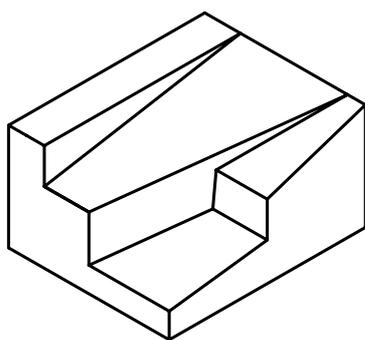


1º Diedro

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 10.1
Nome RESOLVIDO		Título PROJEÇÕES ORTOGONAIS		Nota
Número	Turma	Data	Dadas duas vistas e a perspectiva, identificar o Diedro e desenhar a terceira vista que melhor representa a peça	
				Prof. Clélio

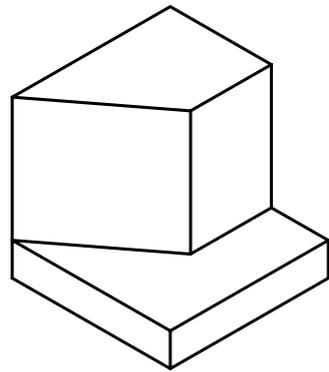
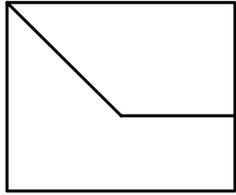
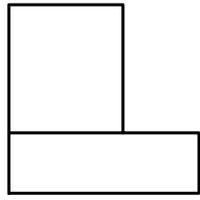
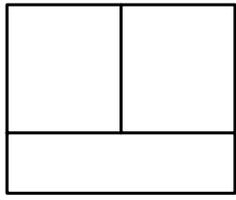


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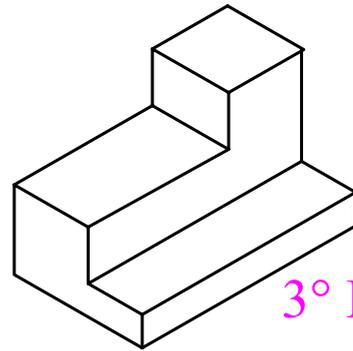
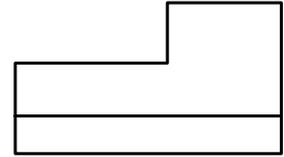
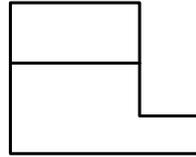
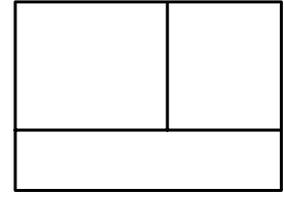


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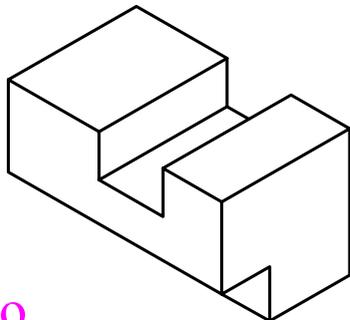
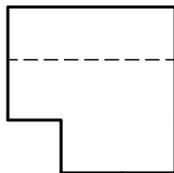
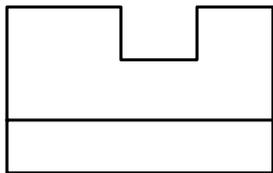
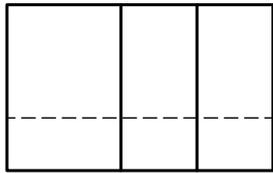
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 10.2
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES ORTOGONAIS	Prof. Clélio
			Dadas duas vistas e a perspectiva, identificar o Diedro e desenhar a terceira vista que melhor representa a peça	



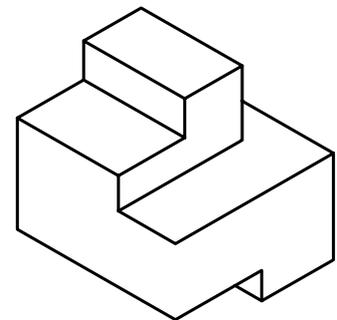
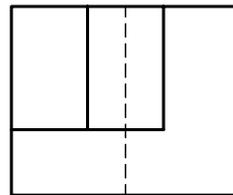
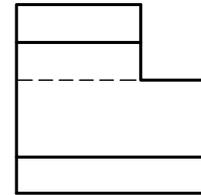
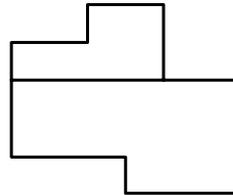
1º Diedro



3º Diedro

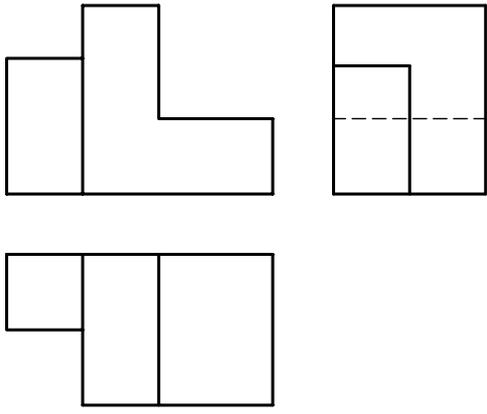


3º Diedro

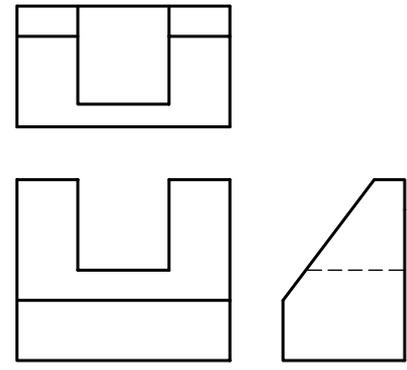
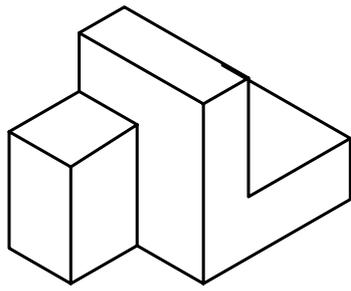


1º Diedro

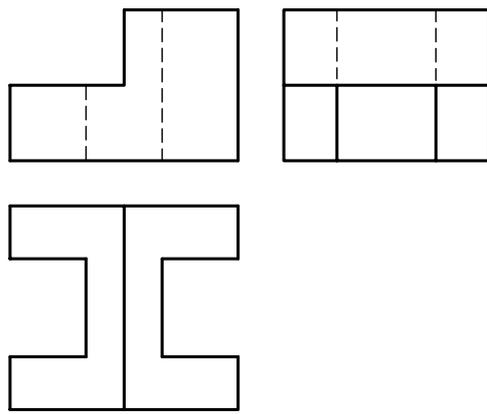
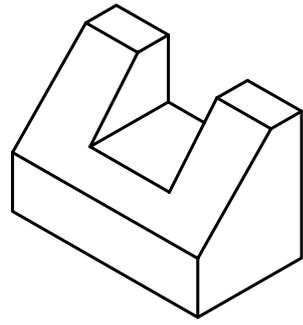
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -11.1
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	ESBOÇO EM PERSPECTIVA	
			Dadas as três projeções ortogonais, identificar o diedro e desenhar o esboço da perspectiva correspondente	Prof. Clélio



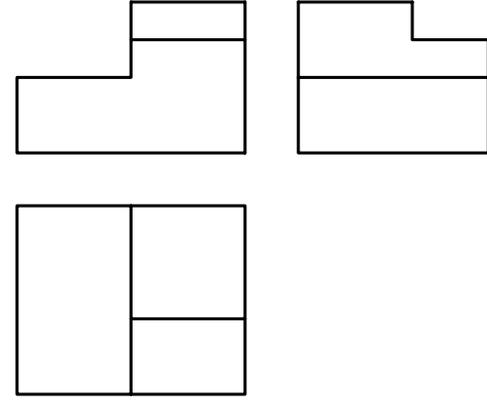
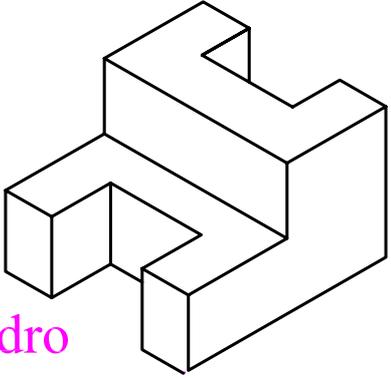
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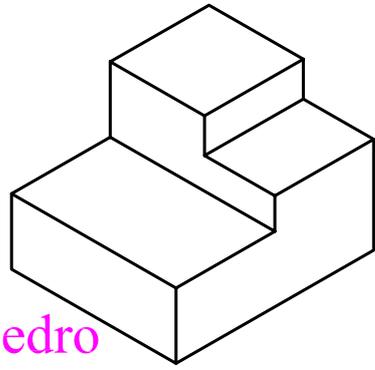
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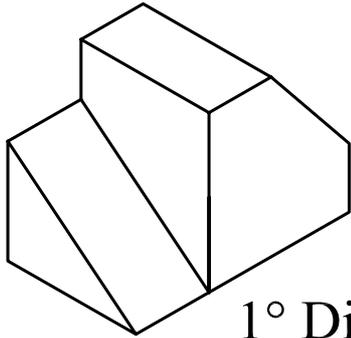
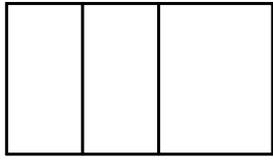
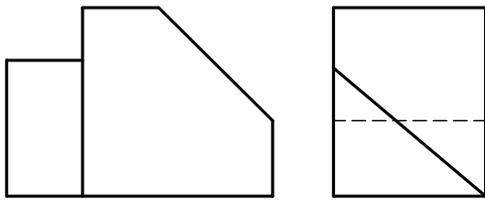
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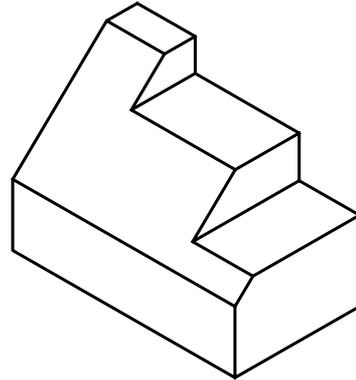
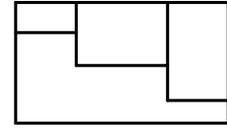
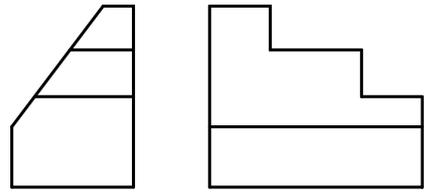
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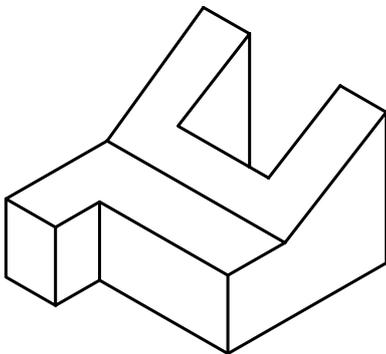
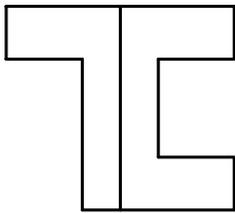
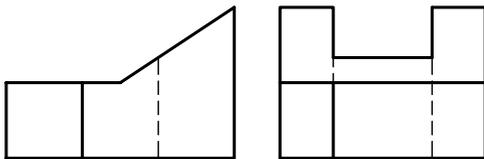
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CURSO DE DESENHO TÉCNICO				TC/TS -11.2
Nome		Título		Nota
RESOLVIDO		ESBOÇO EM PERSPECTIVA		
Número	Turma	Data	Dadas as três projeções ortogonais, identificar o diedro e desenhar o esboço da perspectiva correspondente	
			Prof. Clélio	



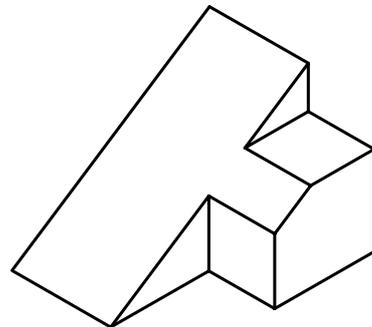
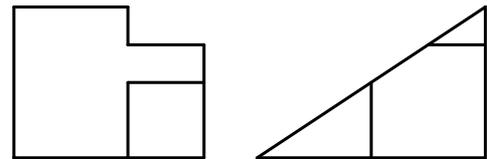
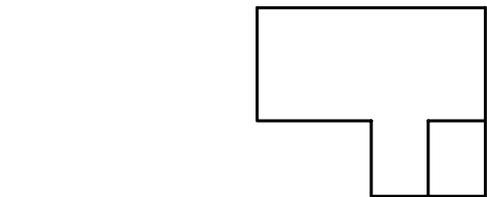
1° Diedro



1° Diedro

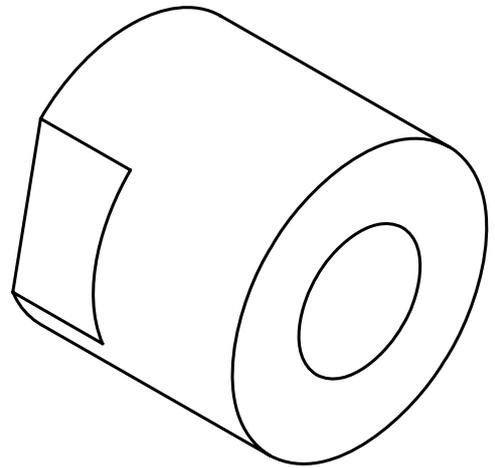
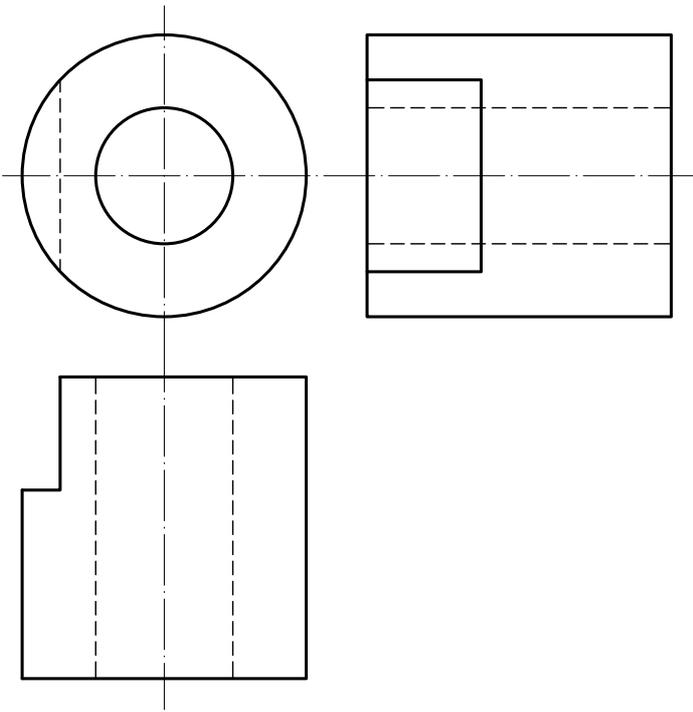


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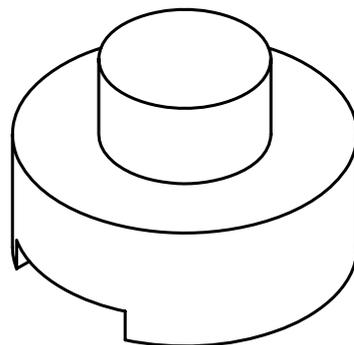
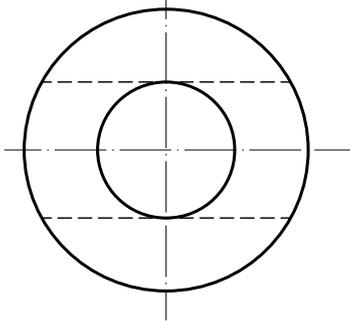
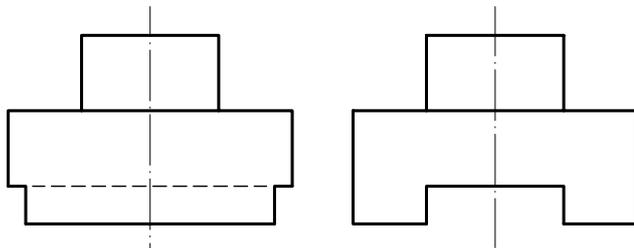


3° Diedro

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -12.1
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	ESBOÇO EM PERSPECTIVA	
			Dadas as três projeções ortogonais, identificar o diedro e desenhar o esboço da perspectiva correspondente	Prof. Clélio

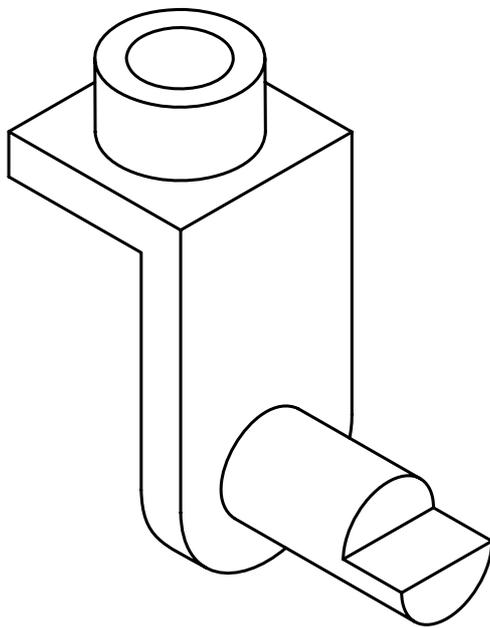
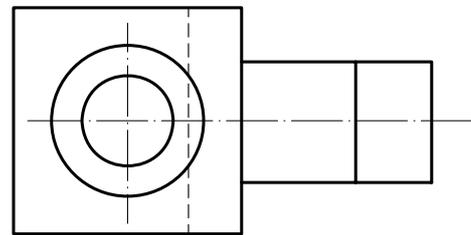
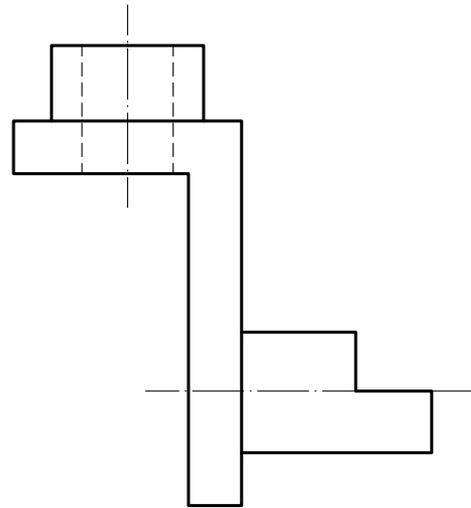
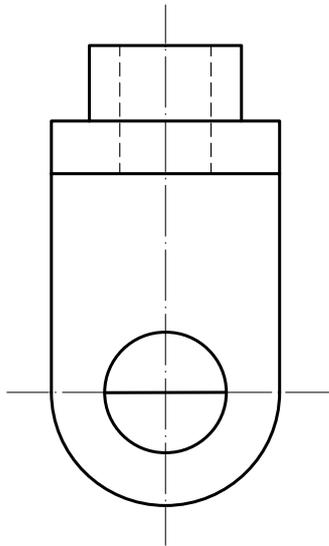


1° Diedro

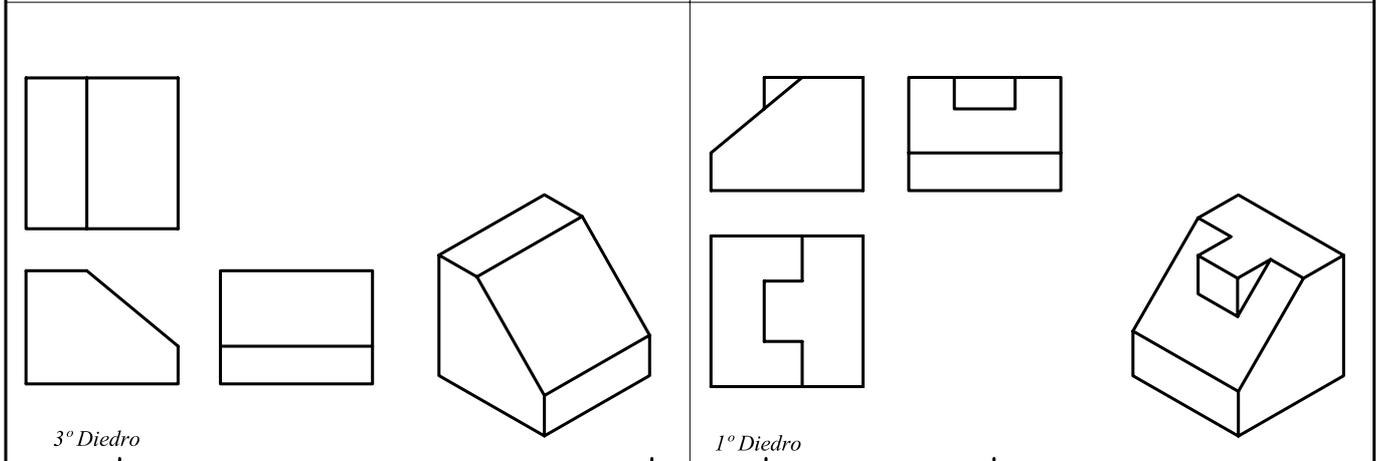
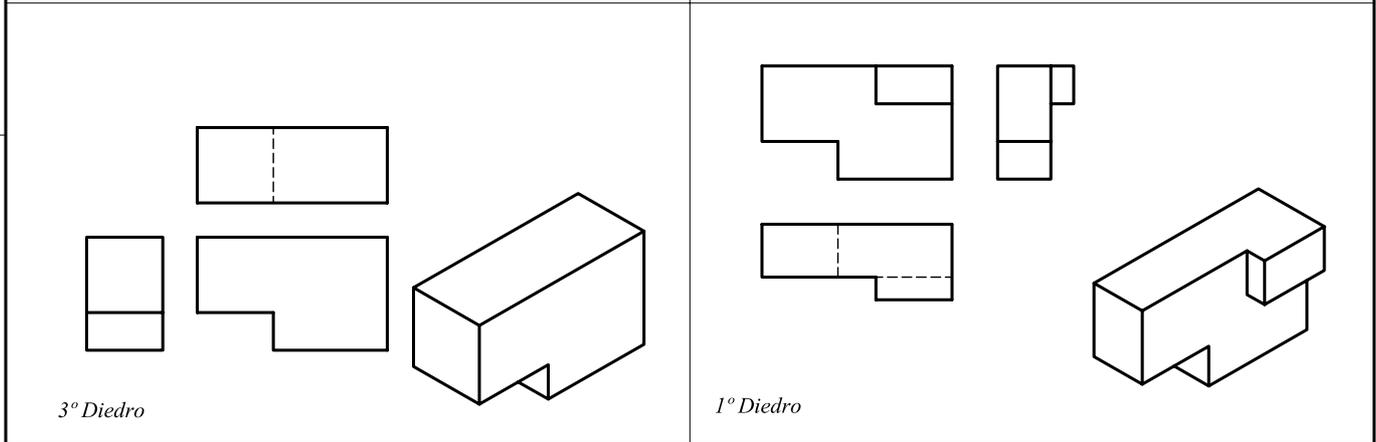
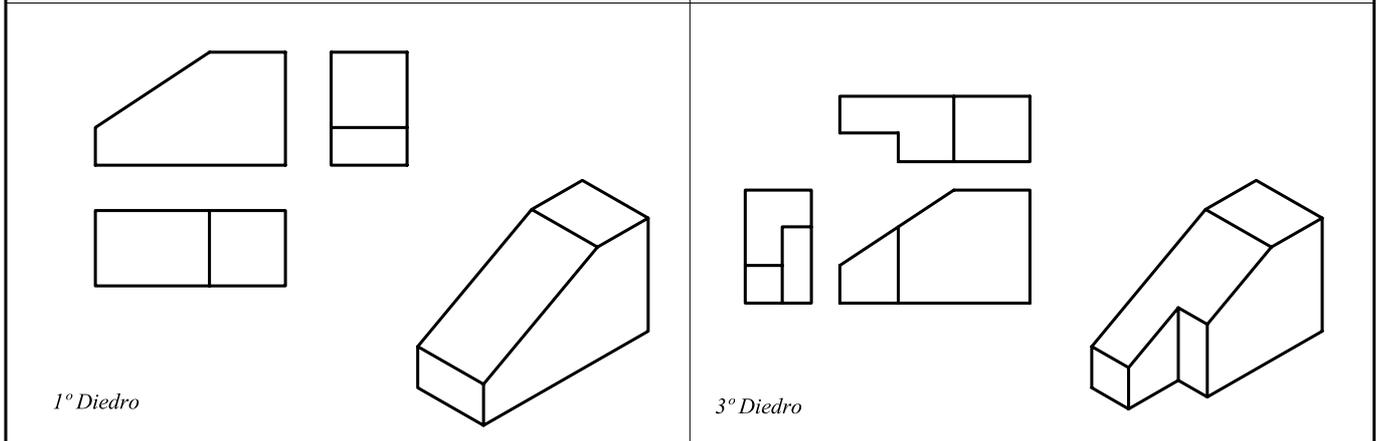
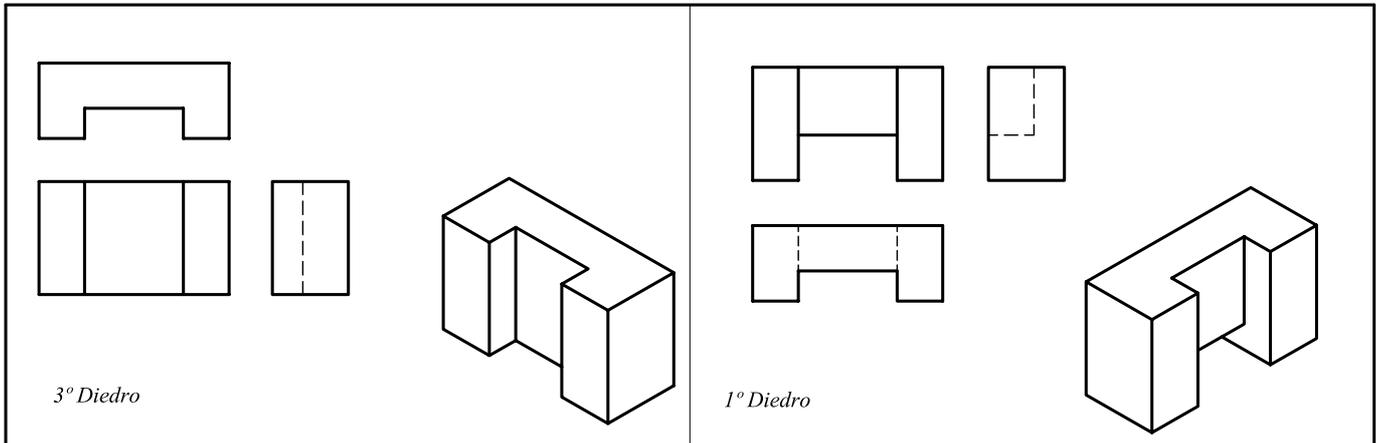


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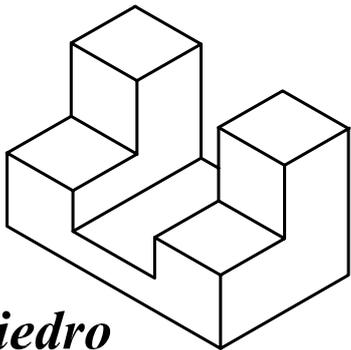
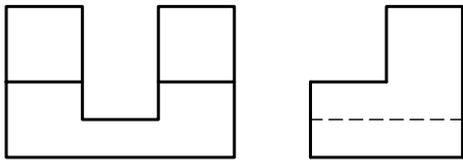
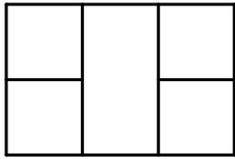
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -12.2
Nome RESOLVIDO		Título ESBOÇO EM PERSPECTIVA		Nota
Número	Turma	Data	Dadas as três projeções ortogonais, identificar o diedro e desenhar o esboço da perspectiva correspondente	
				Prof. Clélio



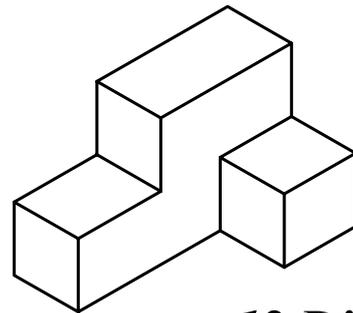
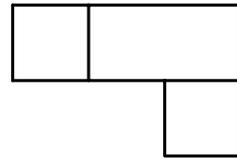
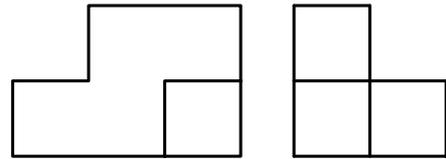
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CURSO DE DESENHO TÉCNICO				TC/TS -12.3
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	ESBOÇO EM PERSPECTIVA	
Dadas as três projeções ortogonais, identificar o diedro e desenhar o esboço da perspectiva correspondente				Prof. Clélio



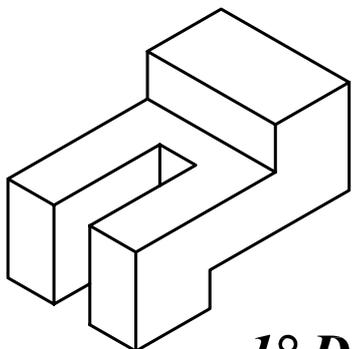
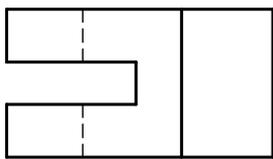
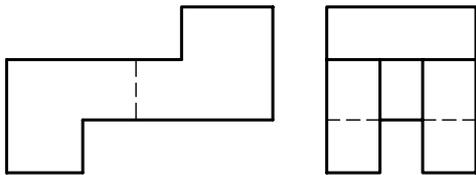
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -13.1
Nome		Título		Nota
RESOLVIDO		ESBOÇO EM PERSPECTIVA		
Número	Turma	Data	Dadas duas vistas, desenhar, de acordo com o diedro indicado, a terceira vista e a perspectiva	
				Prof. Clélio



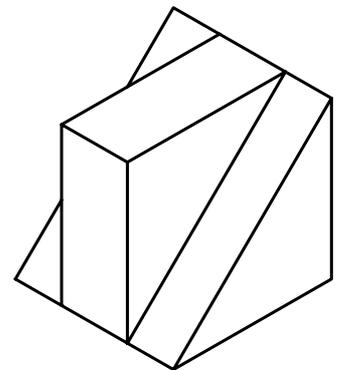
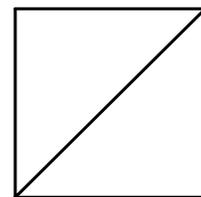
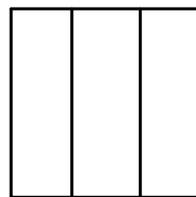
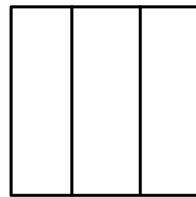
3° Diedro



1° Diedro

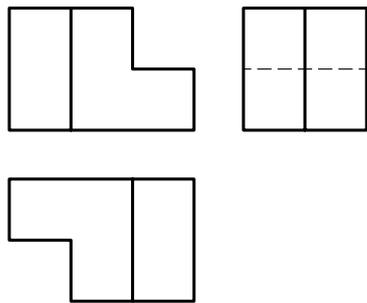
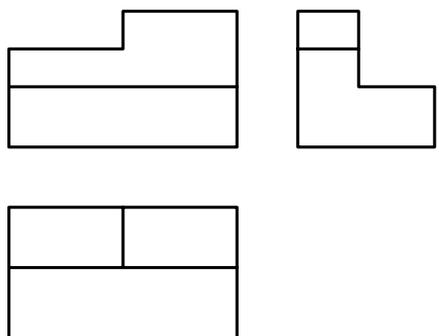
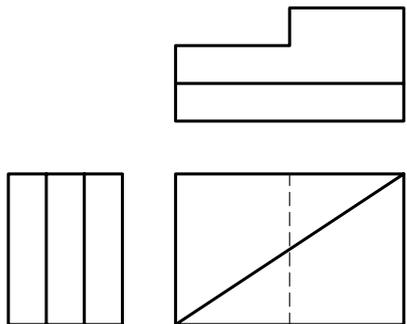
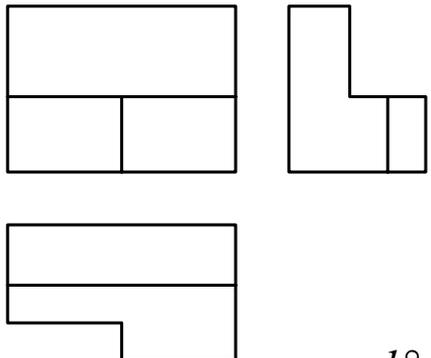
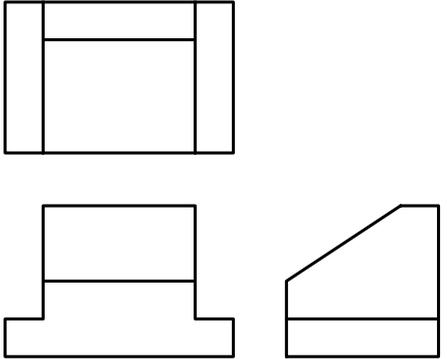
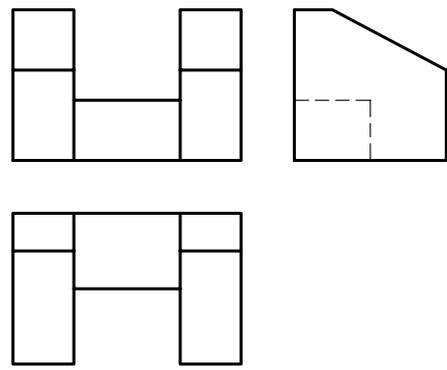
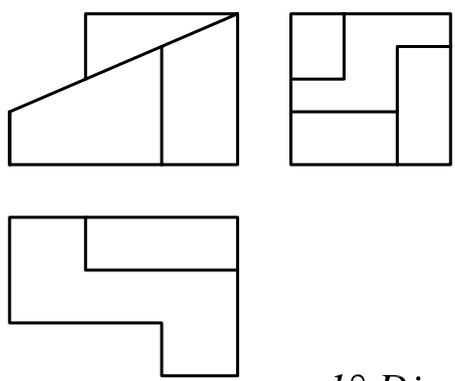
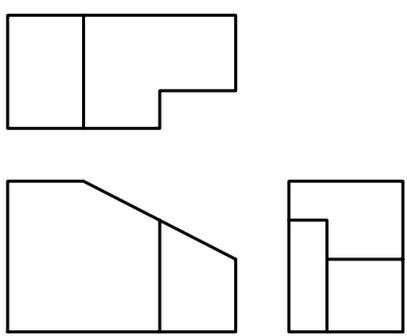


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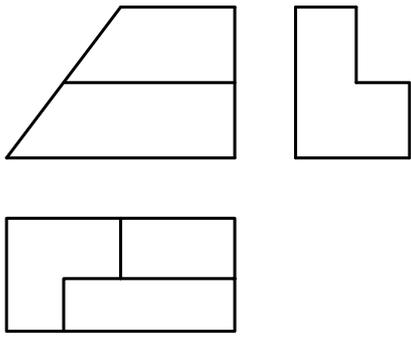


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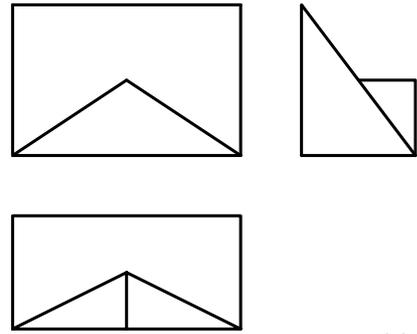
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CURSO DE DESENHO TÉCNICO				TC/TS -13.2
Nome	RESOLVIDO			Nota
Número	Turma	Data	Título ESBOÇO EM PERSPECTIVA Dadas duas projeções ortogonais, identificar o diedro, desenhar a terceira vista e o esboço da perspectiva correspondente	
				Prof. Clélio

 <p><i>1° Diedro</i></p>	 <p><i>1° Diedro</i></p>
 <p><i>3° Diedro</i></p>	 <p><i>1° Diedro</i></p>
 <p><i>3° Diedro</i></p>	 <p><i>1° Diedro</i></p>
 <p><i>1° Diedro</i></p>	 <p><i>3° Diedro</i></p>

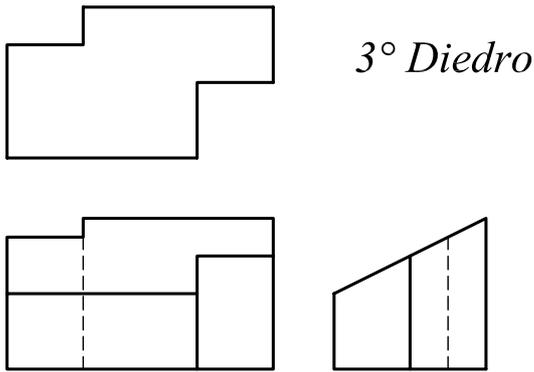
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -14.1
Nome RESOLVIDO		Título PROJEÇÕES ORTOGONAIS		Nota
Número		Turma	Data	Prof. Clélio
Dadas duas vistas, identificar o diedro e desenhar a terceira vista				



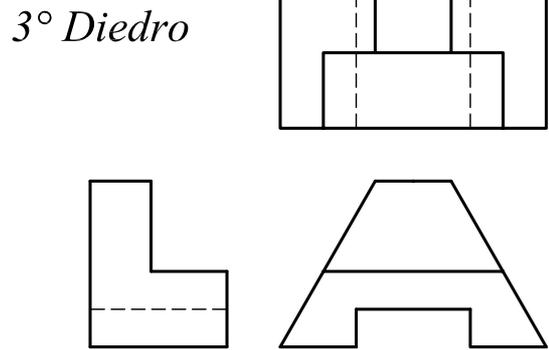
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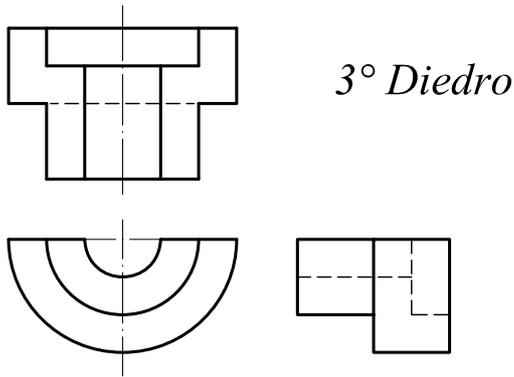
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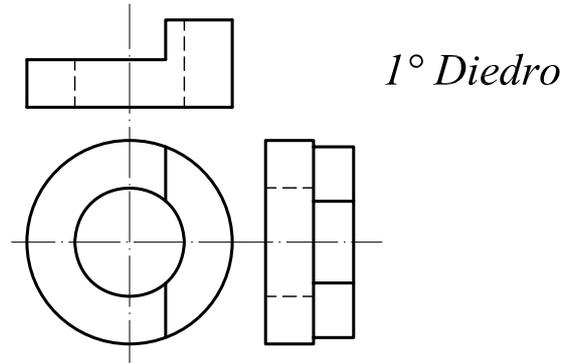
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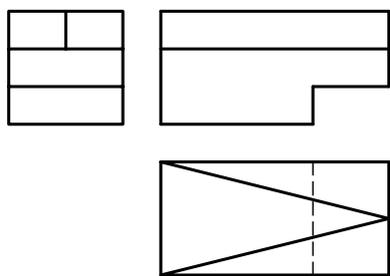
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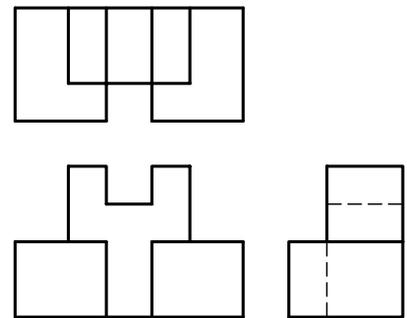
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1° Diedro



1° Diedro

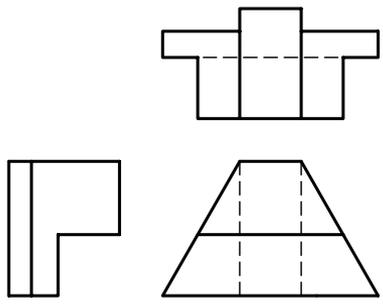


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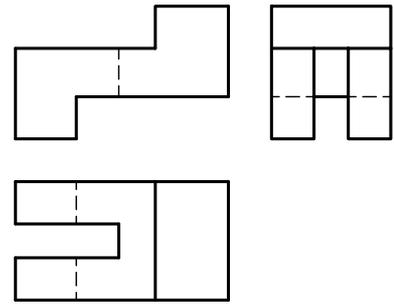
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -14.2
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES ORTOGONAIS	
			Dadas duas vistas, identificar o diedro e desenhar a terceira vista	
				Prof. Clélio

<p>3° Diedro</p>	<p style="text-align: right;">1° Diedro</p>
<p style="text-align: right;">1° Diedro</p>	<p>3° Diedro</p>
<p style="text-align: right;">1° Diedro</p>	<p style="text-align: right;">1° Diedro</p>
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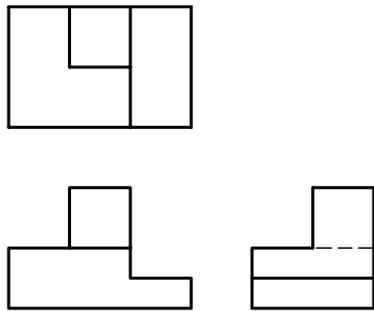
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -15.1
Nome		RESOLVIDO		Nota
Número	Turma	Data	PROJEÇÕES ORTOGONAIS Dadas duas vistas, identificar o diedro e desenhar a terceira vista	



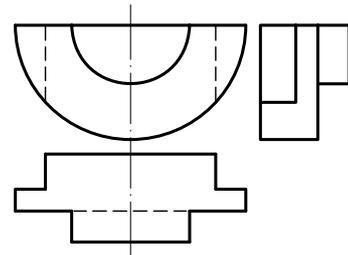
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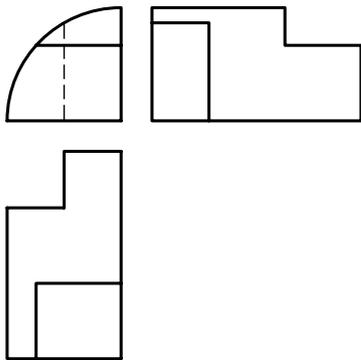
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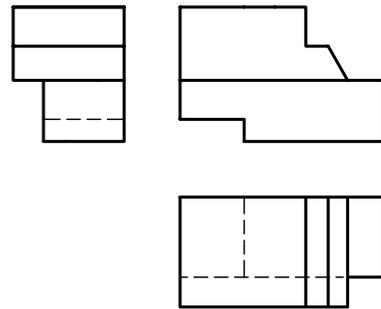
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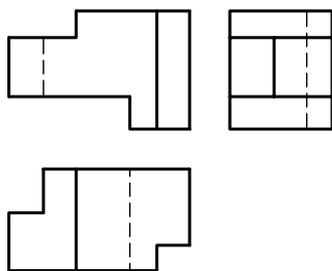
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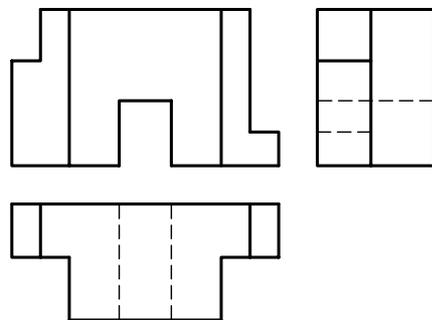
1° Diedro



1° Diedro

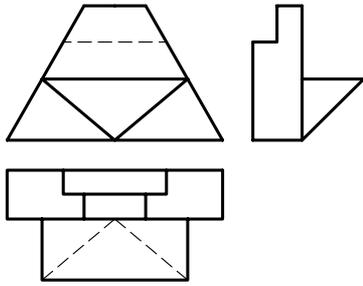


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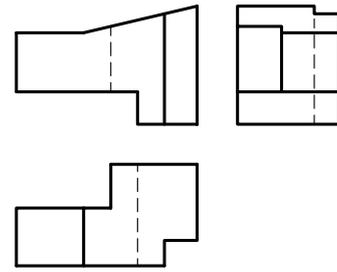


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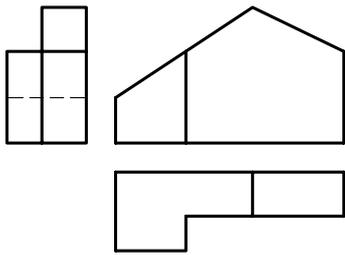
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -15.2
Nome		Título		Nota
RESOLVIDO				
Número	Turma	Data	Dadas duas vistas, identificar o diedro e desenhar a terceira vista	
				Prof. Clélio



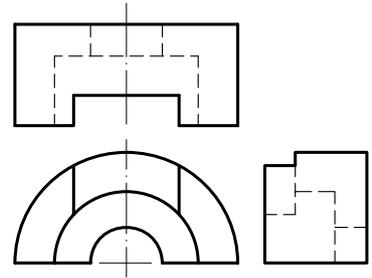
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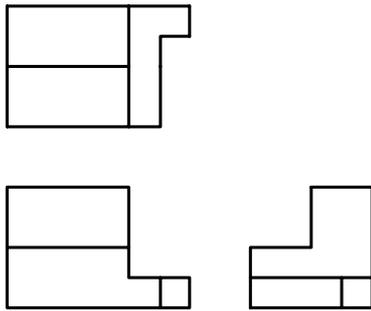
1° Diedro



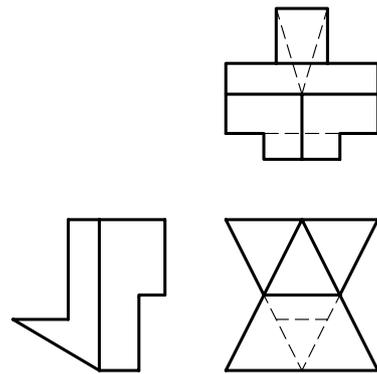
1° Diedro



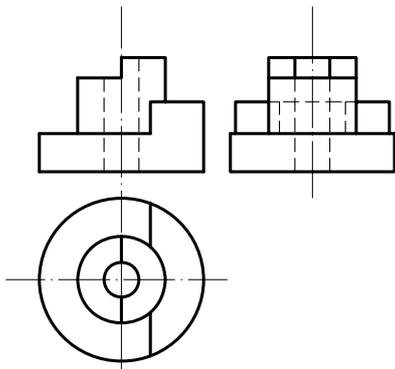
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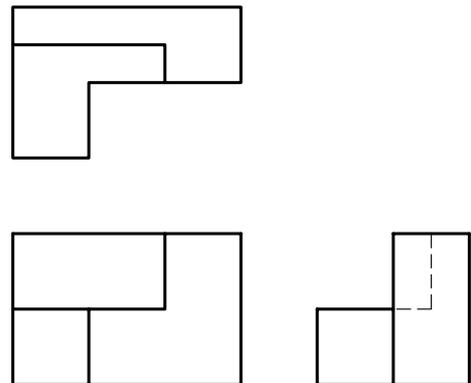
3° Diedro



3° Diedro



1° Diedro



3° Diedro

ITEM

DENOMINAÇÃO

Qdade.

MATERIAL

DIMENSÕES

CURSO DE DESENHO TÉCNICO

TC/TS -16.1

Nome

RESOLVIDO

Título

PROJEÇÕES ORTOGONAIS

Nota

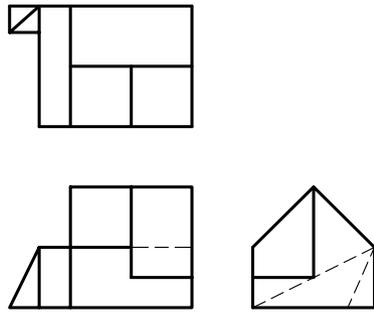
Dadas duas vistas, identificar o diedro e desenhar a terceira vista

Número

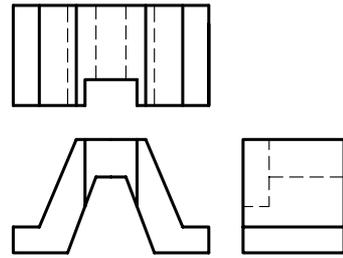
Turma

Data

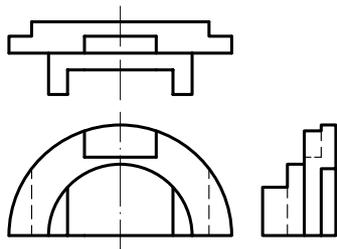
Prof. Clélio



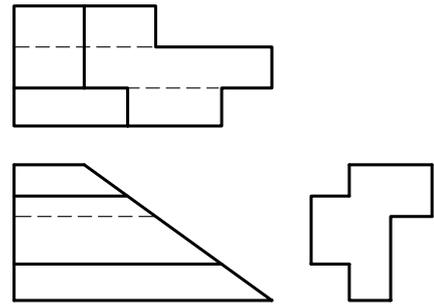
3° Diedro



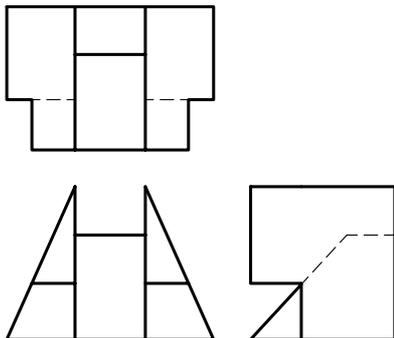
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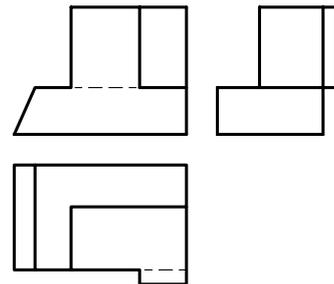
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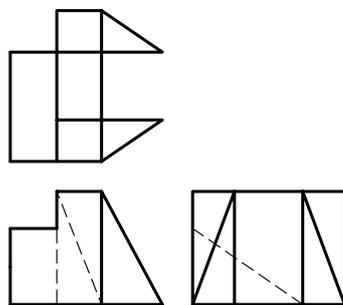
3° Diedro



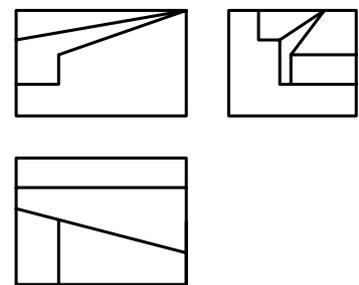
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1° Diedro

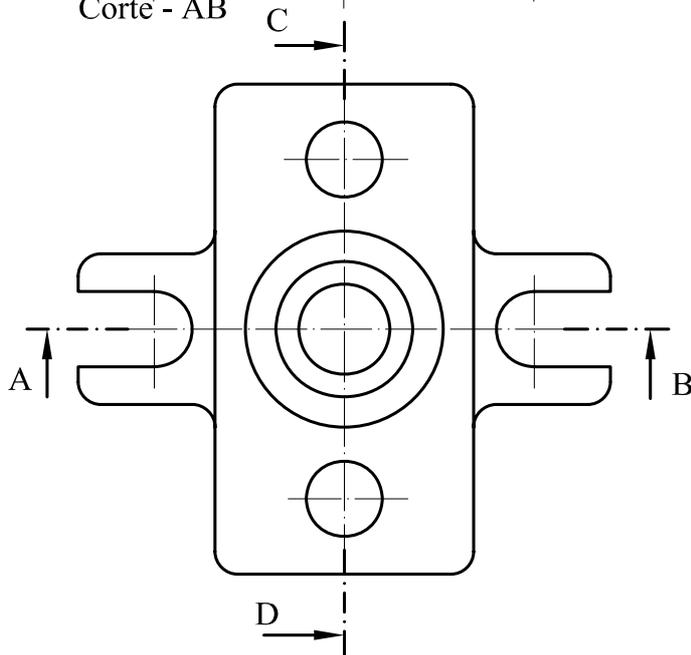
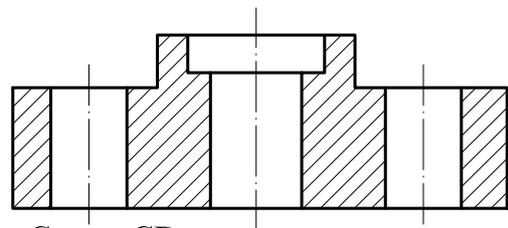
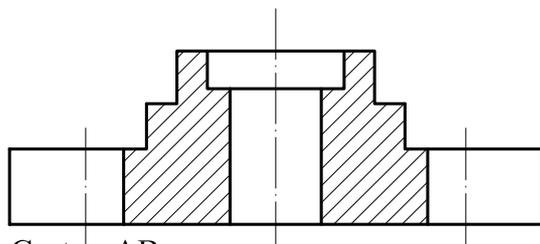
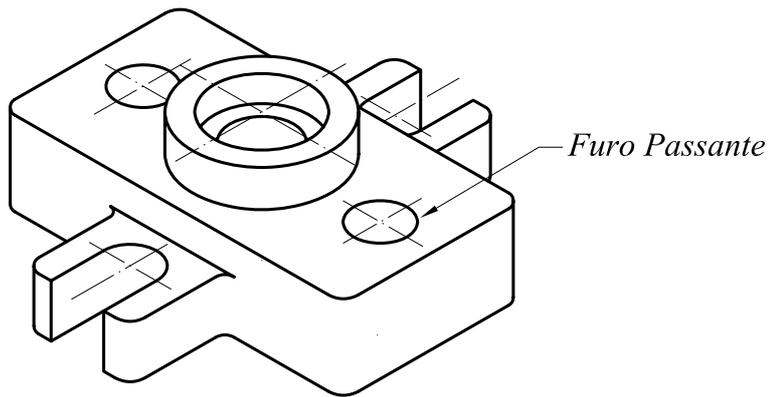


3° Diedro

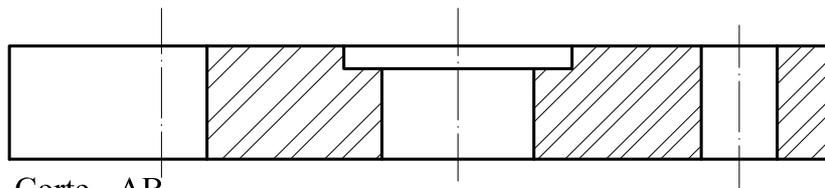
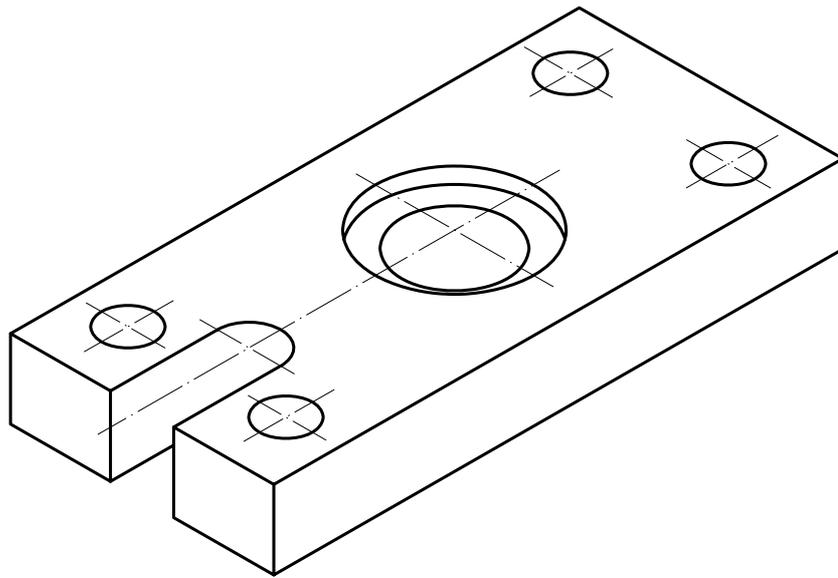


1° Diedro

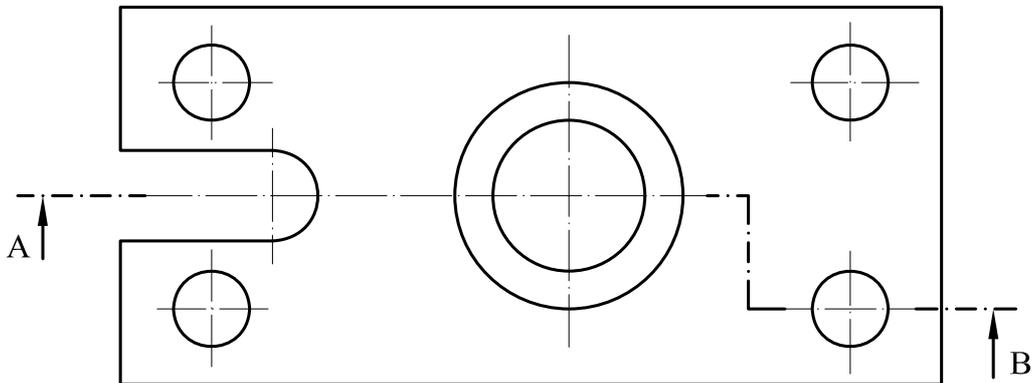
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -16.2
Nome RESOLVIDO		Título PROJEÇÕES ORTOGONAIS		Nota
Número	Turma	Data	Dadas duas vistas, identificar o diedro e desenhar a terceira vista	
				Prof. Clélio



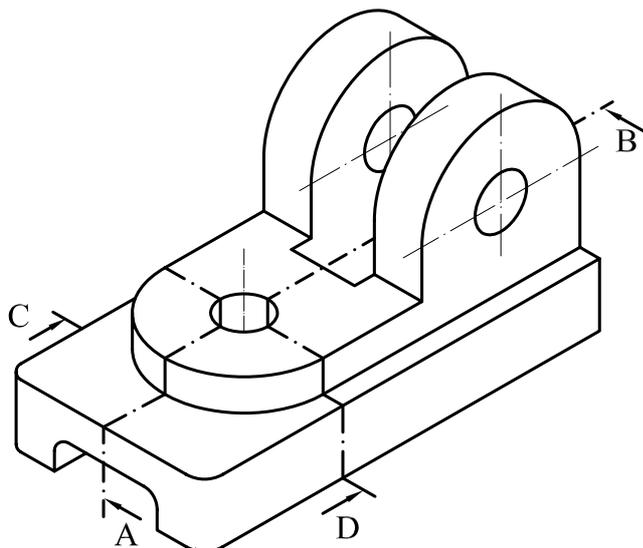
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -17
Nome	RESOLVIDO			Título
Número	Turma	Data	PROJEÇÕES EM CORTE Dada a Vista Superior, completar os desenhos dos Cortes AB e CD indicados no desenho	
				Nota
				Prof. Clélio



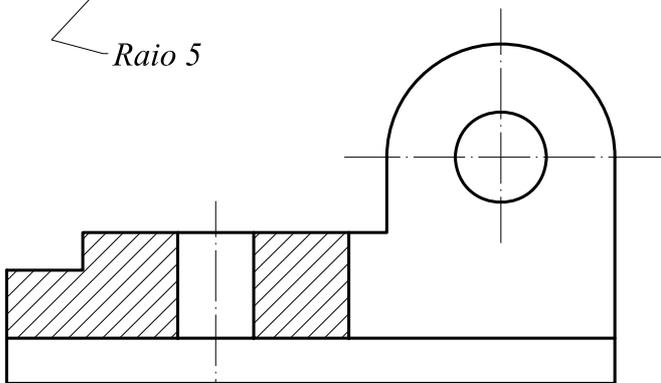
Corte - AB



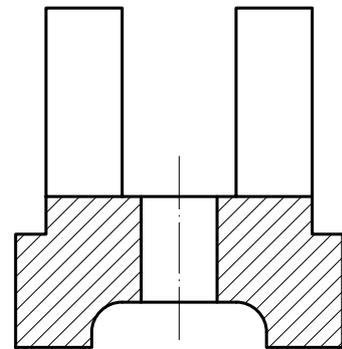
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -18
Nome	RESOLVIDO		Título	PROJEÇÕES EM CORTE (Corte em Desvio)
Número	Turma	Data	Dada a Vista Superior, completar o desenho do Corte AB indicado no desenho	
				Nota Prof. Clélio



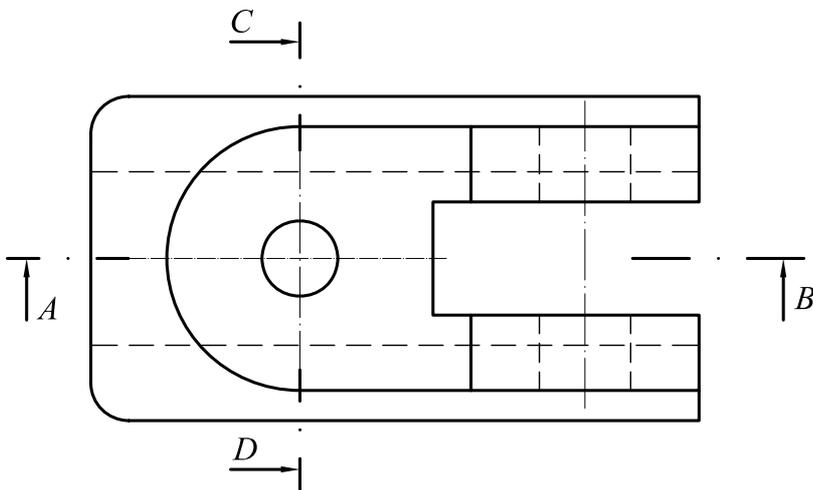
Raio 5



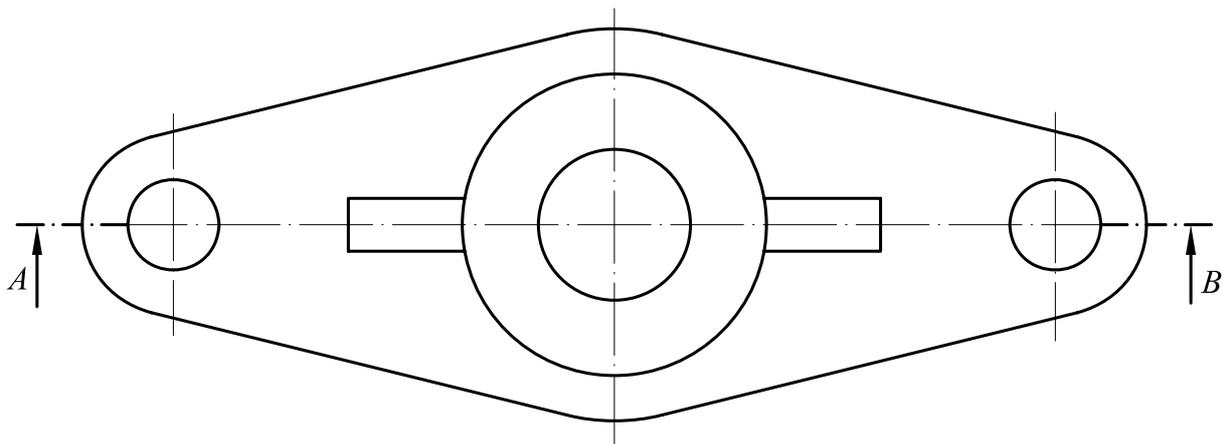
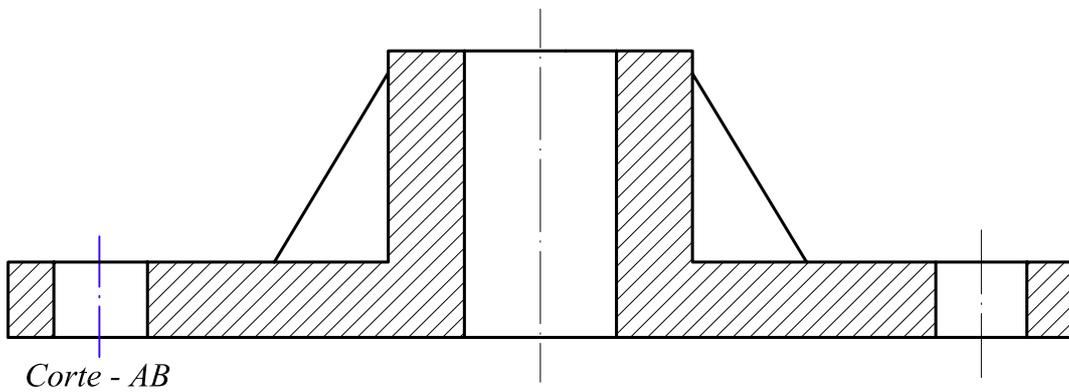
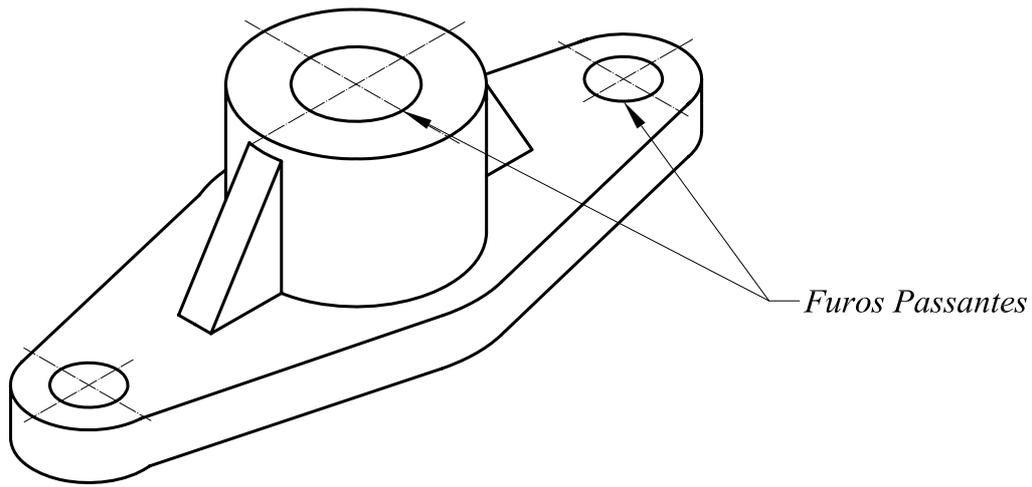
Corte - AB



Corte - CD

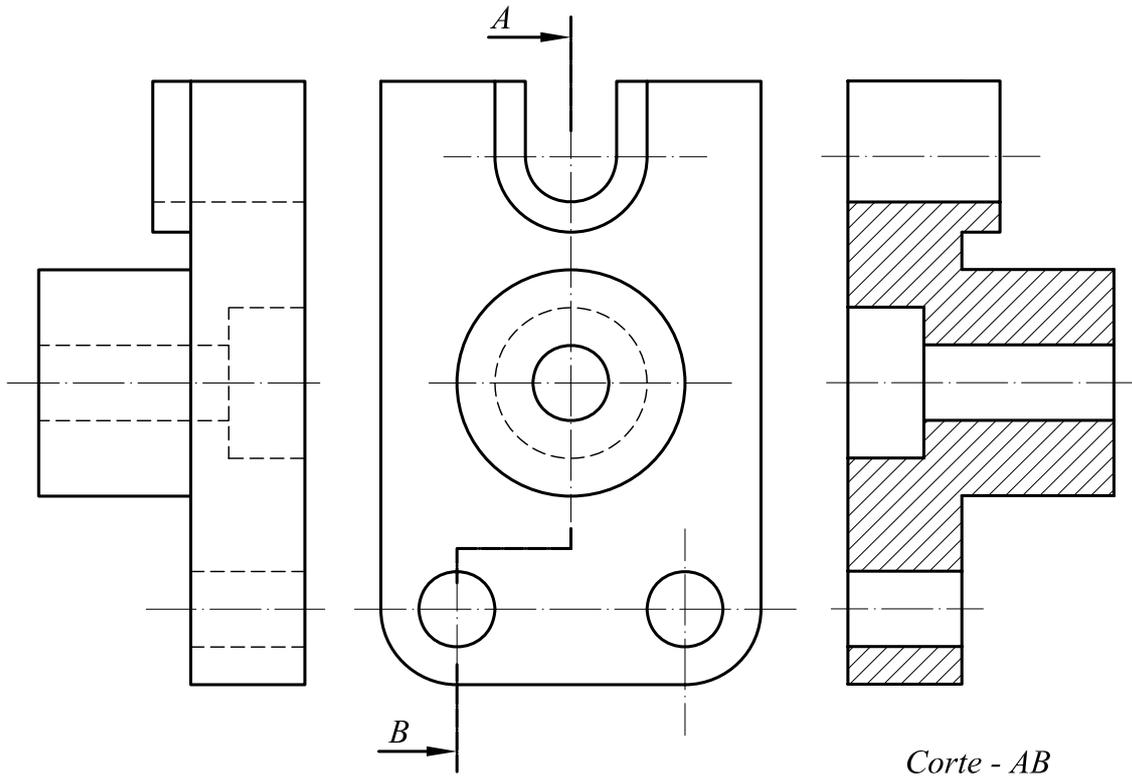


ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -19
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES EM CORTE Dadas as vistas com os Cortes AB e CD indicados na perspectiva, desenhar a Vista Superior e indicar os cortes aplicados.	
				Prof. Clélio

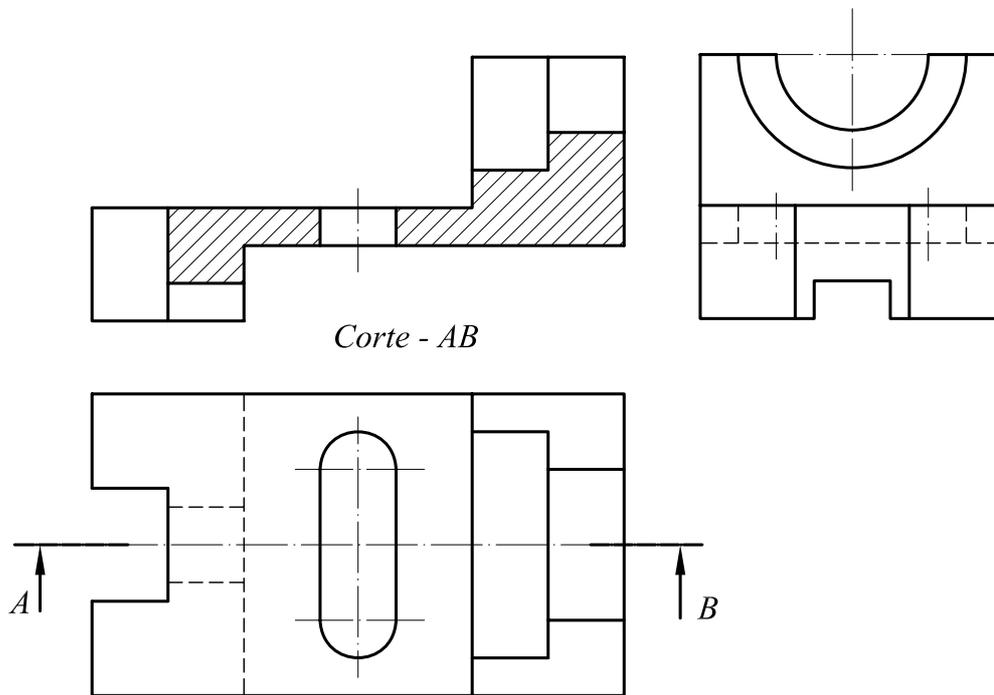


ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -20
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	Dadas a perspectiva e a vista superior, completar o desenho da vista de frente conforme o corte indicado	Prof. Clélio

Dadas as vistas de frente e lateral direita, desenhar a vista lateral esquerda aplicando o Corte - AB indicado no desenho.

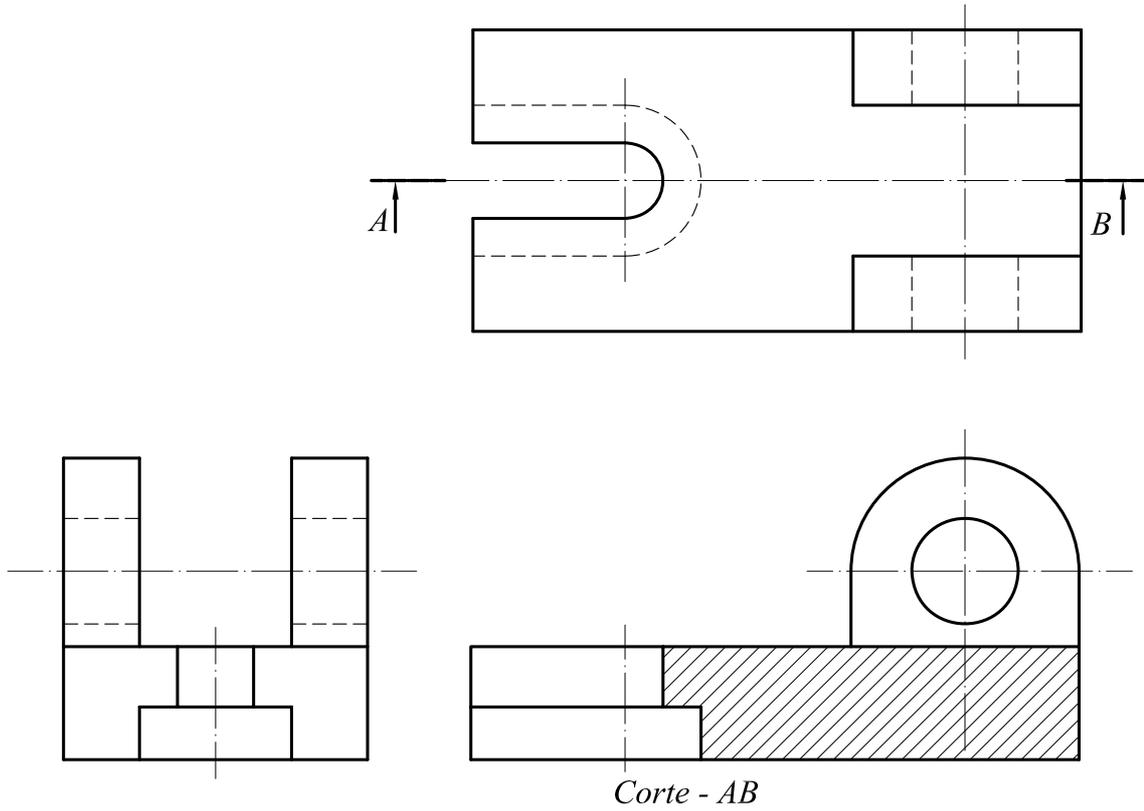


Dadas as vistas superior e lateral esquerda, completar o desenho da vista de frente aplicando o Corte - AB indicado no desenho.

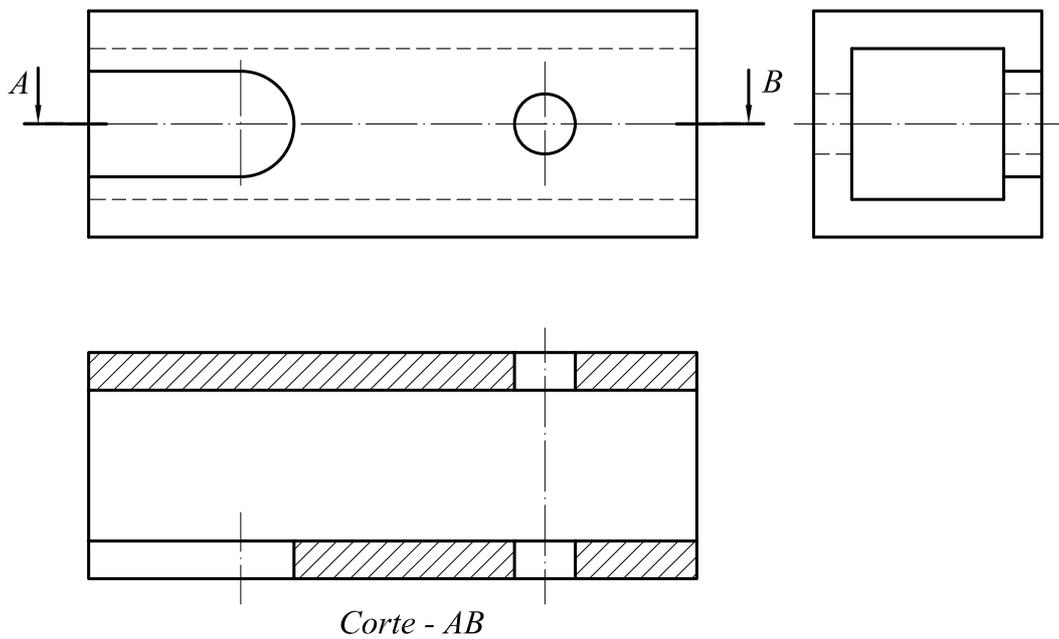


ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -21.1
Nome RESOLVIDO		Título PROJEÇÕES EM CORTE		Nota
Número	Turma	Data	Prof. Clélio	

Dadas as vistas superior e lateral esquerda, completar a vista de frente aplicando o Corte - AB indicado no desenho.

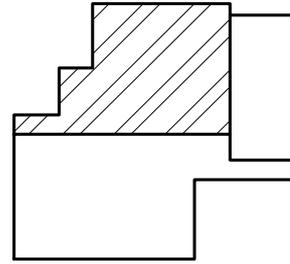
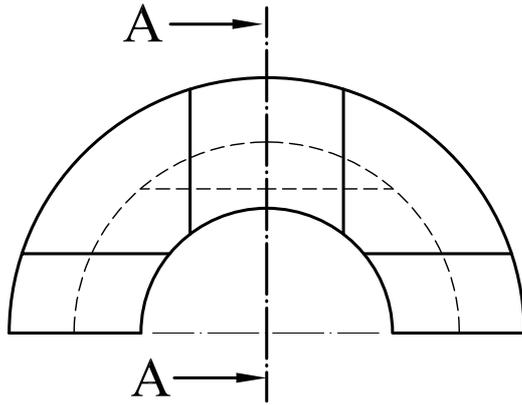


Dadas as vistas de frente e lateral esquerda, desenhar a vista superior aplicando o Corte - AB.

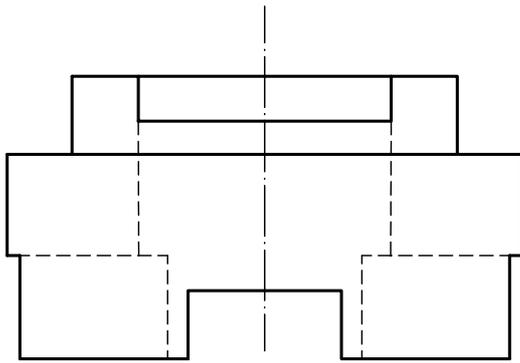


ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 21.2
Nome		RESOLVIDO		Título
Número		Turma		PROJEÇÕES EM CORTE
Data				Nota
				Prof. Clélio

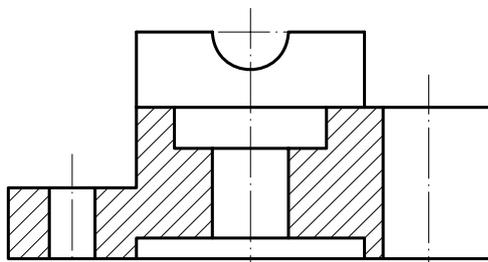
Dadas as vistas de frente e superior, desenhar a vista lateral esquerda aplicando o Corte - AA indicado no desenho.



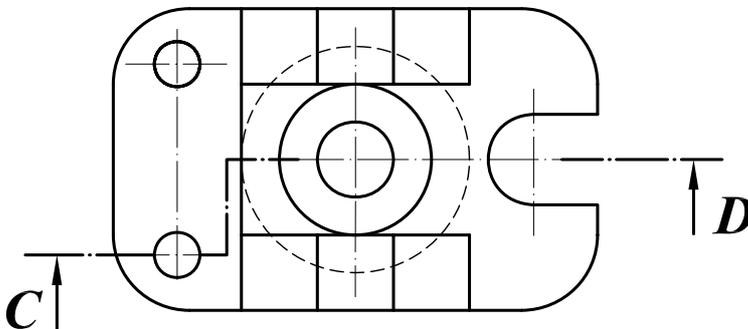
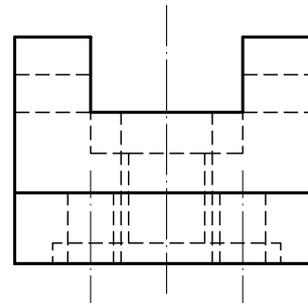
Corte - AA



Dadas as vistas superior e lateral esquerda, desenhar a vista de frente aplicando o Corte - CD indicado no desenho.

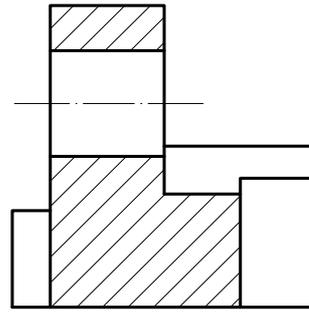
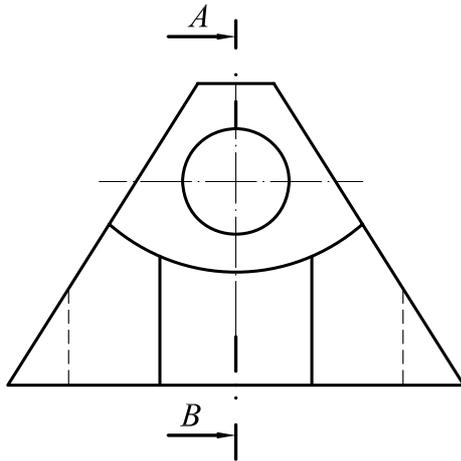


Corte - CD

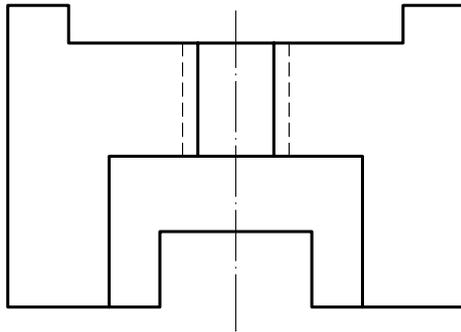


ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 21.3
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES EM CORTE	
				Prof. Clélio

Dadas as vistas de frente e superior, desenhar a vista lateral esquerda aplicando o Corte - AB indicado no desenho.

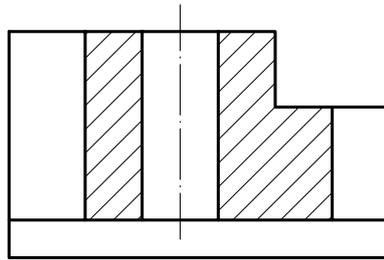


Corte - AB

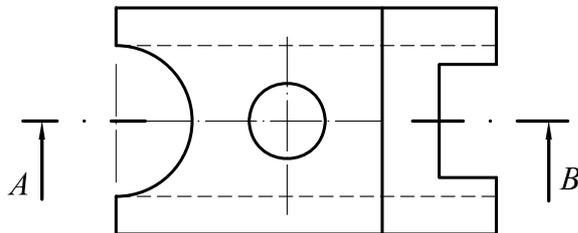
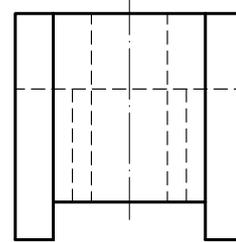


1° DIEDRO

Dadas as vistas superior e lateral esquerda, desenhar a vista de frente aplicando o Corte - AB.



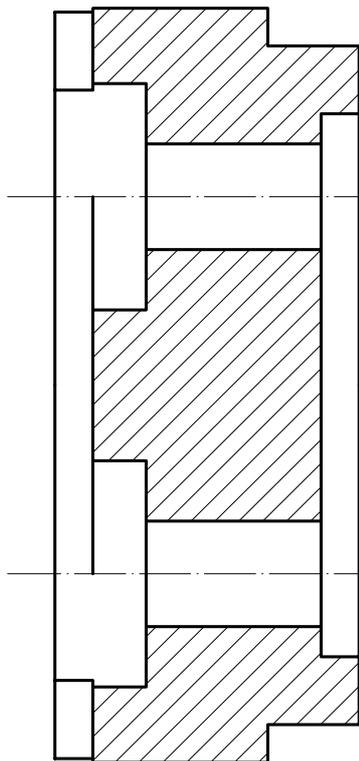
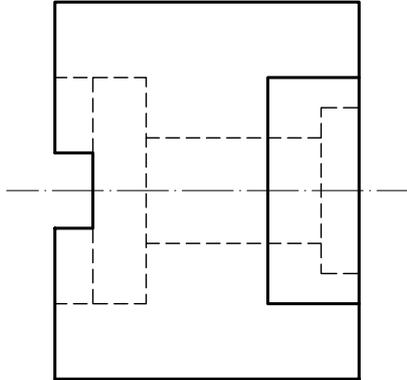
Corte - AB



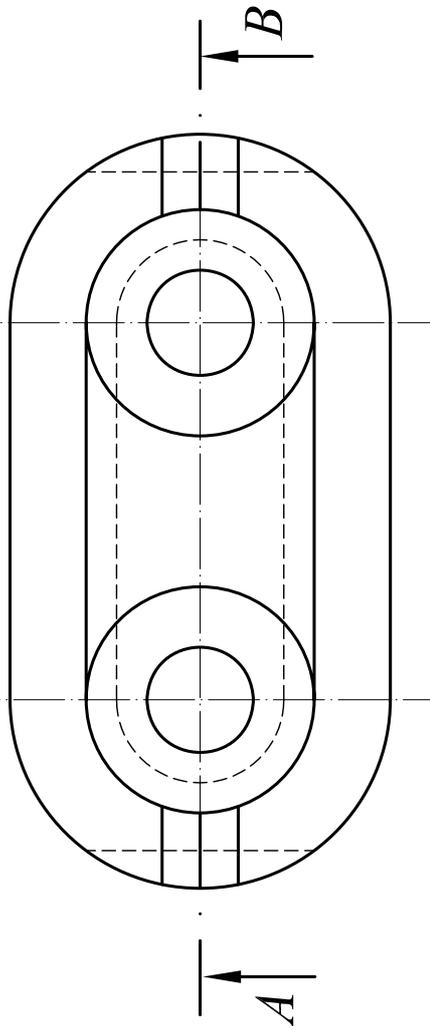
1° DIEDRO

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 22.1
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES EM CORTE	Prof. Clélio

Dadas as vistas superior e lateral esquerda, desenhar a vista de frente aplicando o Corte - AB.

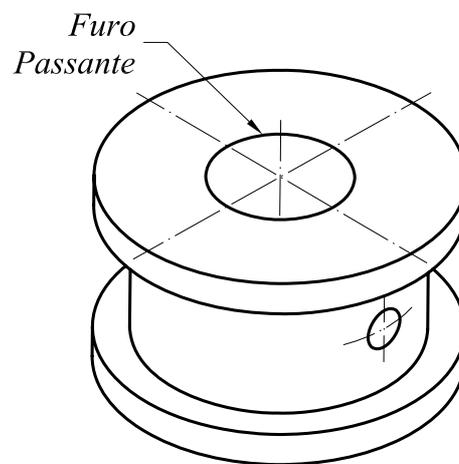
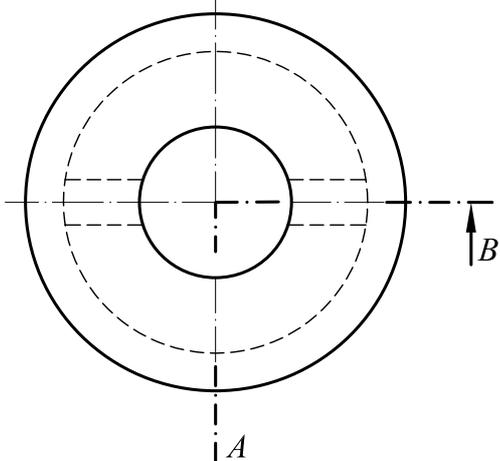
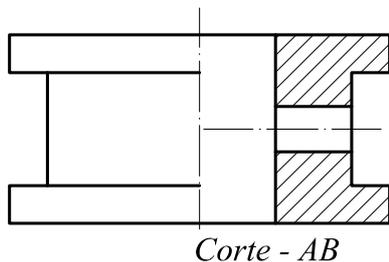
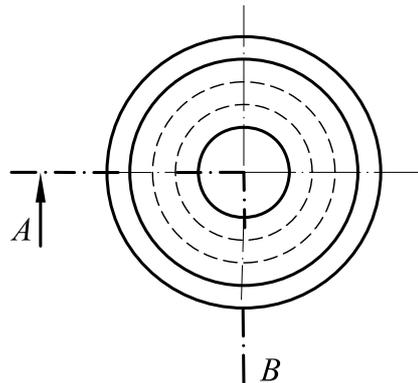
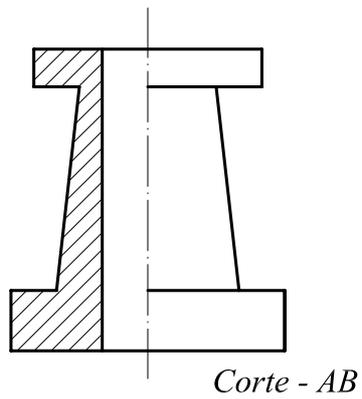
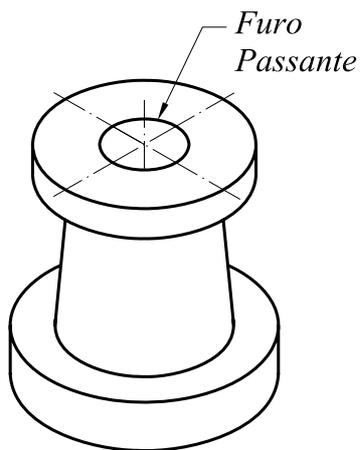


Corte - AB



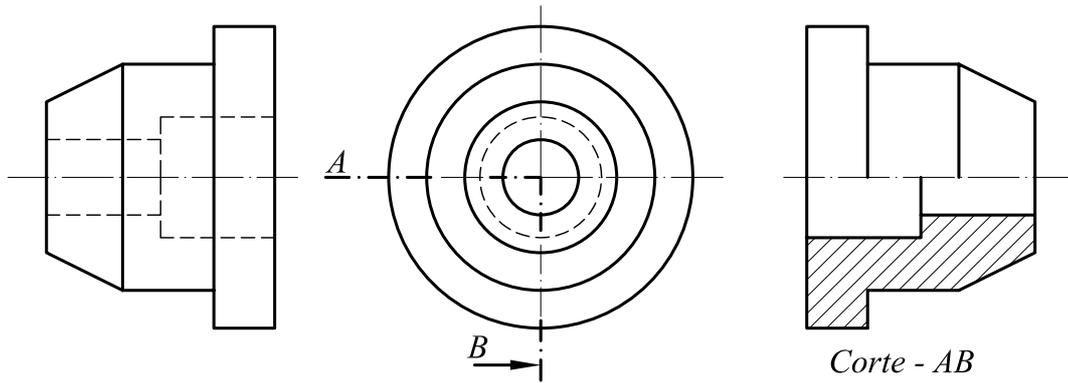
1º DIEDRO

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 22.2
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES EM CORTE	Prof. Clélio

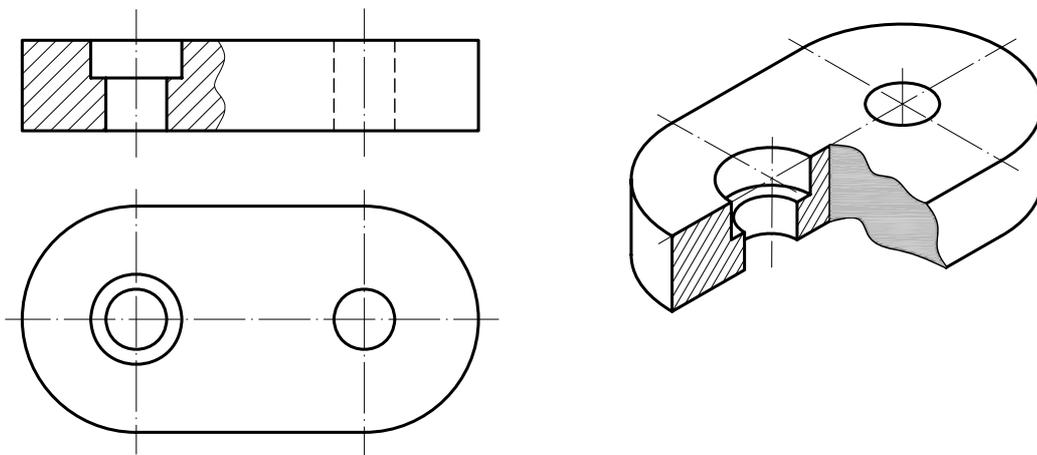


ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -23
Nome	RESOLVIDO			Título
Número	Turma	Data	PROJEÇÕES EM CORTE <i>Dadas as vistas superiores, completar as vistas de frente aplicando os meios cortes indicados nos desenhos.</i>	
				Nota Prof. Clélio

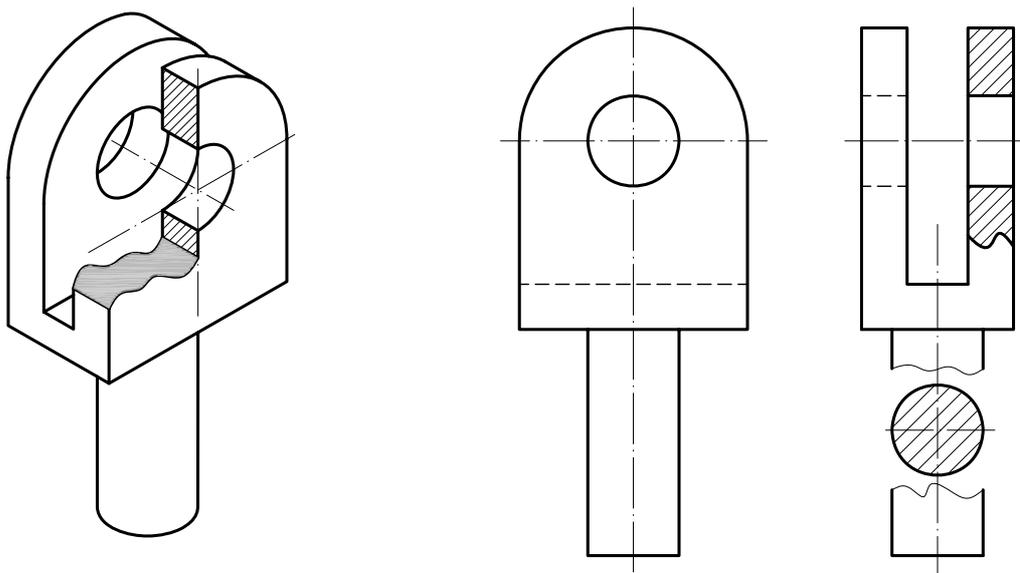
Dadas as vistas de frente e lateral direita, desenhar a vista lateral esquerda aplicando o meio corte indicado



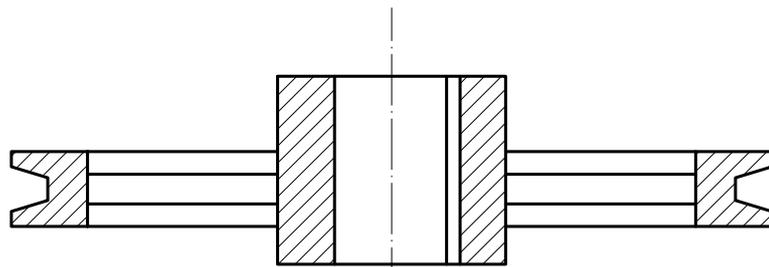
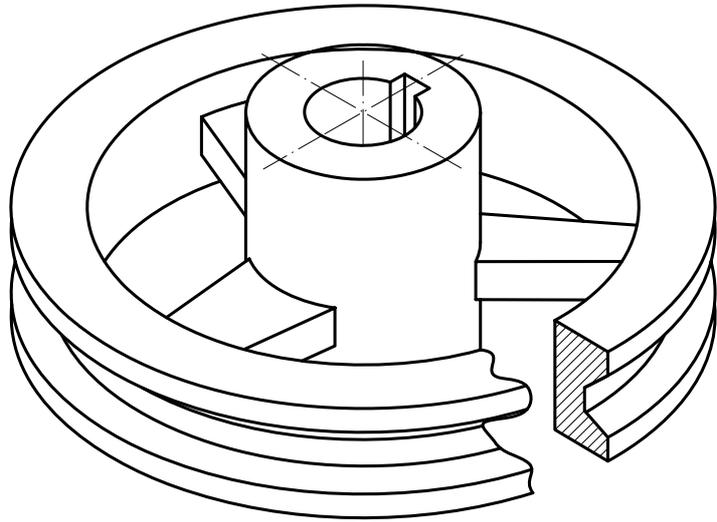
Dada a vista superior, completar o desenho da vista de frente aplicando o corte parcial mostrado na perspectiva.



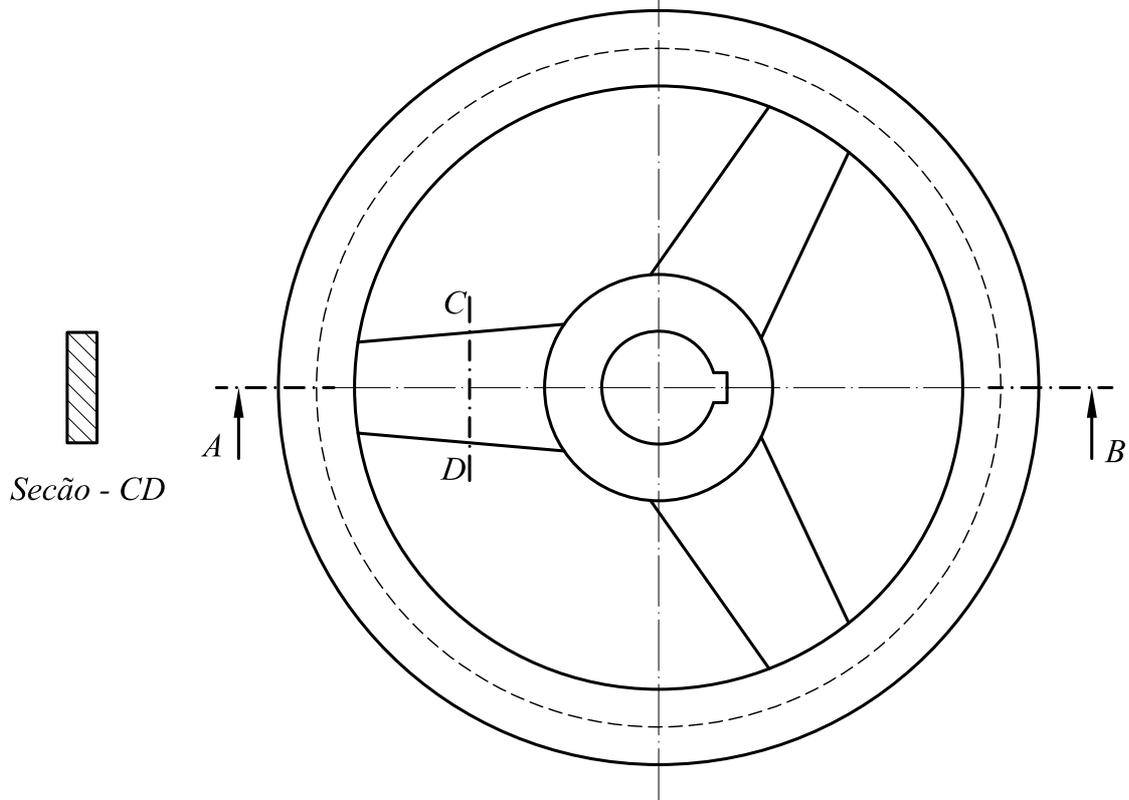
Dada a vista de frente, completar o desenho da vista lateral esquerda aplicando o corte parcial mostrado na perspectiva.



ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -24
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	PROJEÇÕES EM CORTE	Prof. Clélio

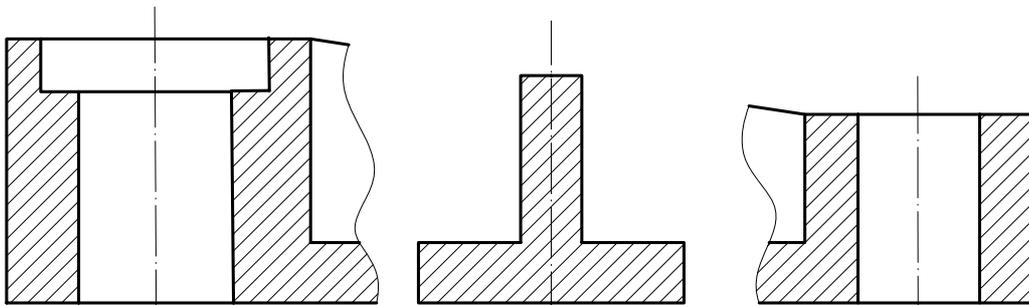
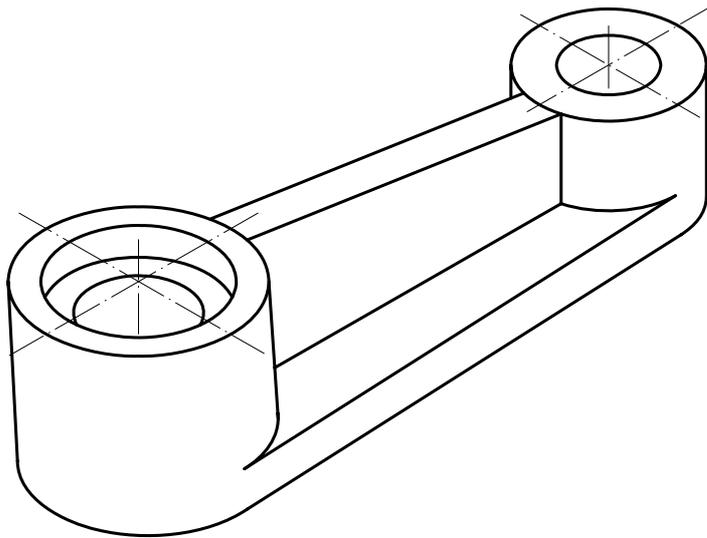


Corte - AB

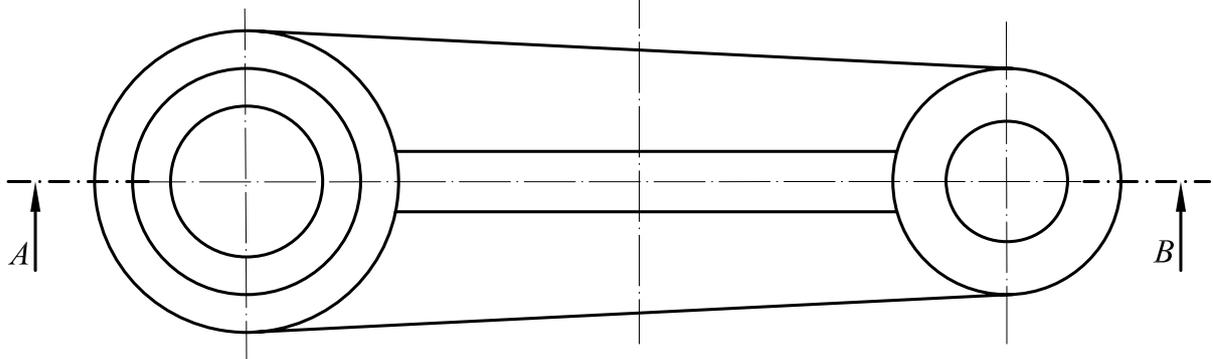


Secção - CD

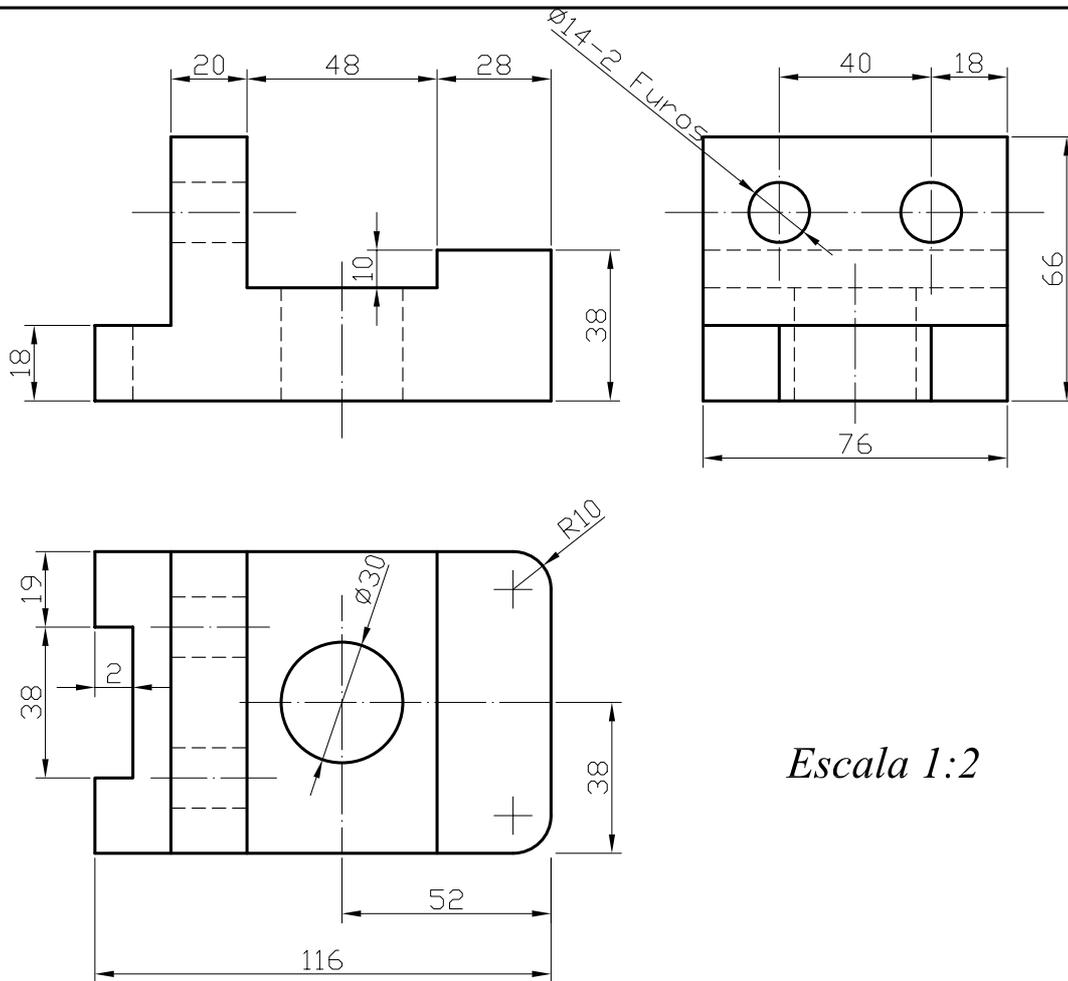
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -25
Nome		RESOLVIDO		Nota
Número		Turma		
		Data		Prof. Clélio
<p>Título CORTE REBATIDO E SEÇÃO Dadas a vista superior e a perspectiva, completar o desenho do Corte - AB, fazendo o rebatimento da nervura, e desenhar a Secção - CD</p>				



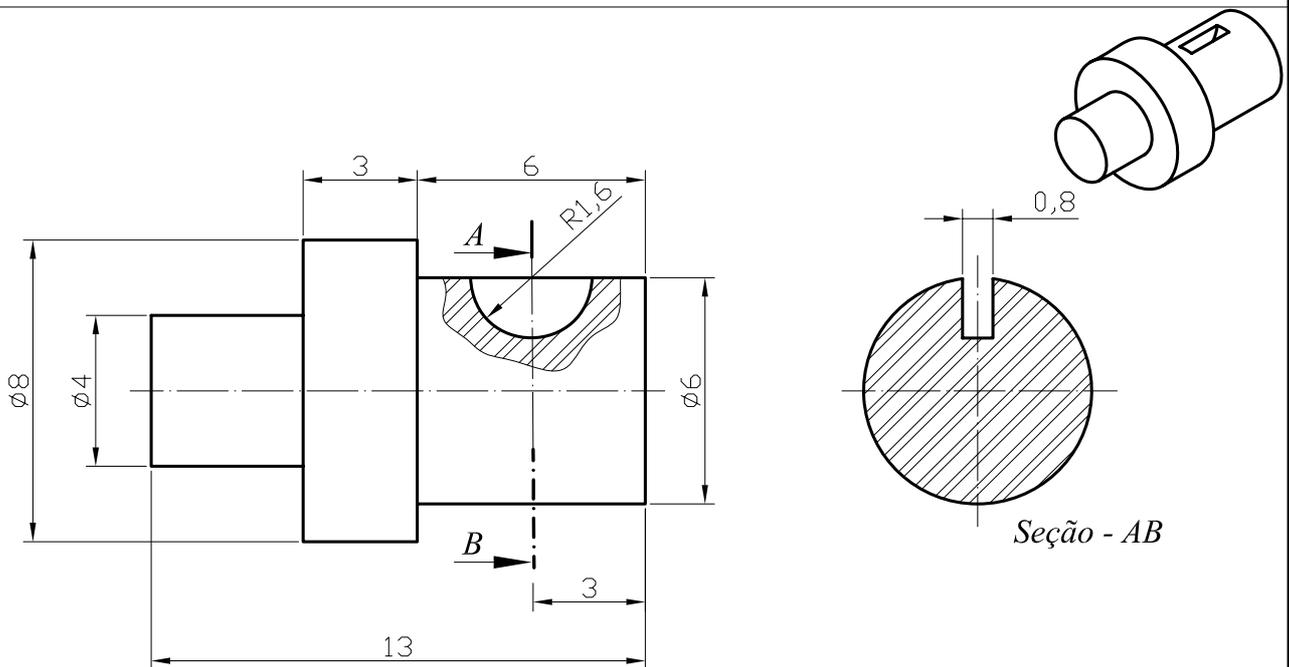
Corte -AB



ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -26
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	SEÇÃO	
			Dadas a vista superior e a vista de frente com aplicação do Corte - AB, desenhar a Seção do ponto indicado.	Prof. Clélio

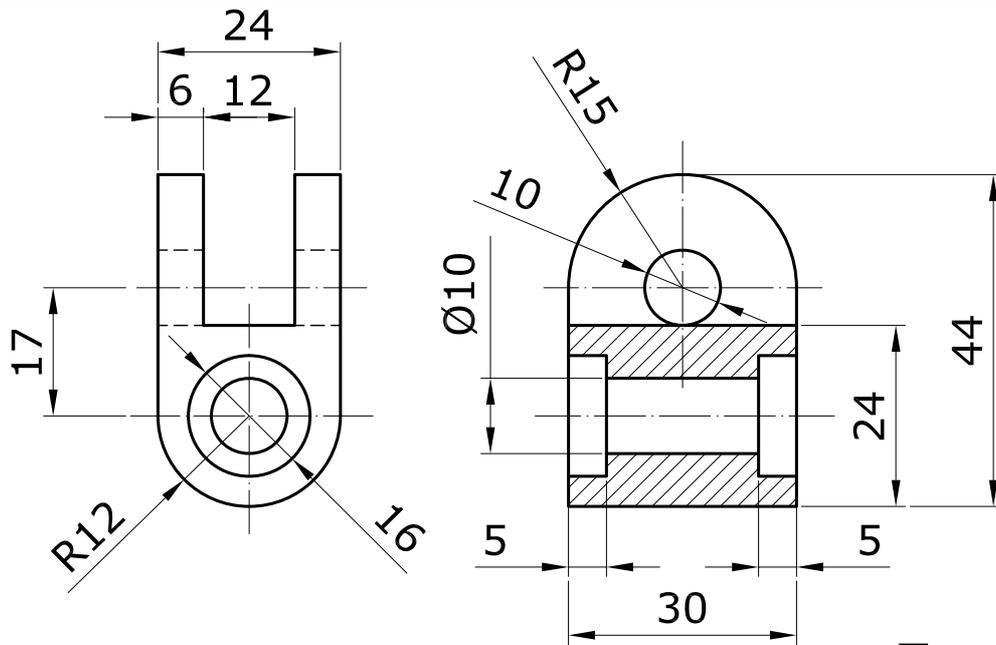


Escala 1:2

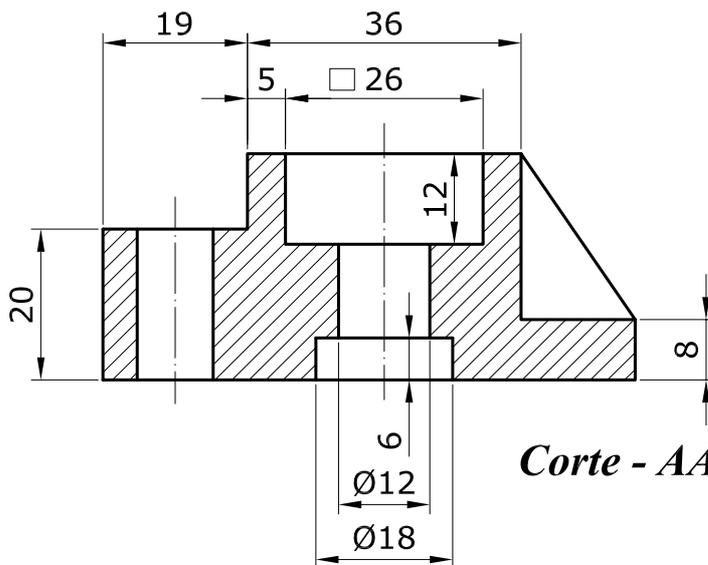
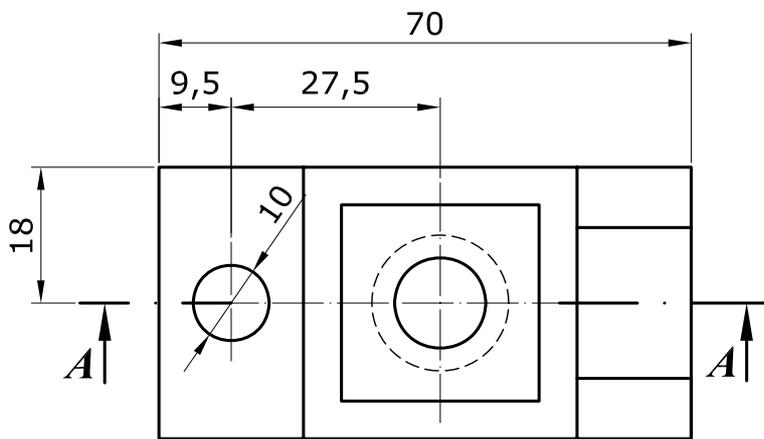


Escala 5:1

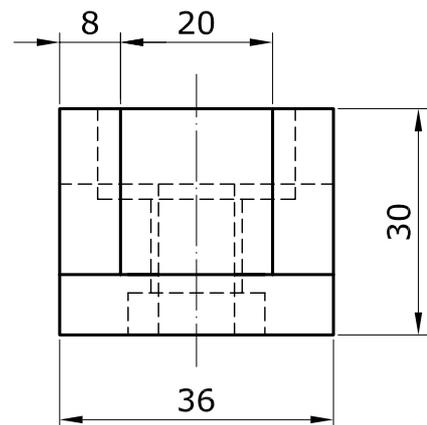
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -27
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	ESCALA E COTAS	
			Colocar, de acordo com a escala indicada, valores nas cotas dos desenhos.	Prof. Clélio



Escala 2:1



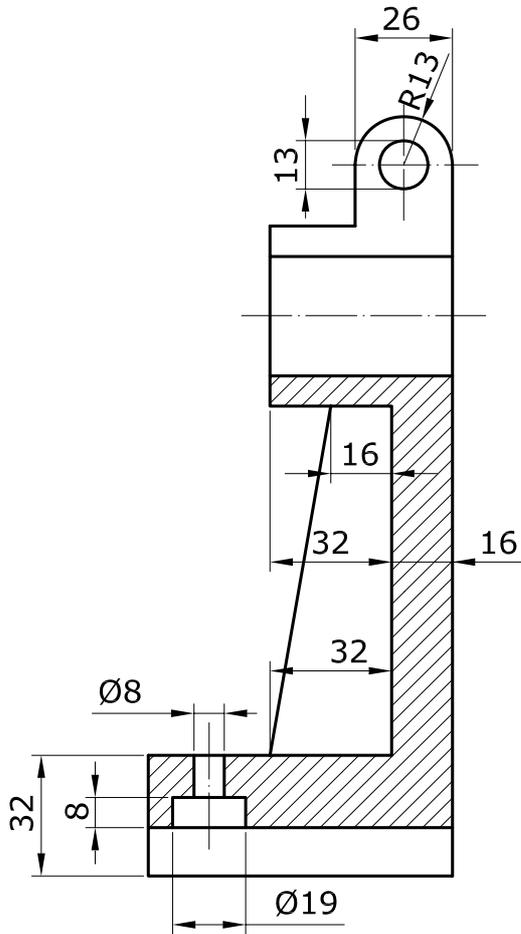
Corte - AA



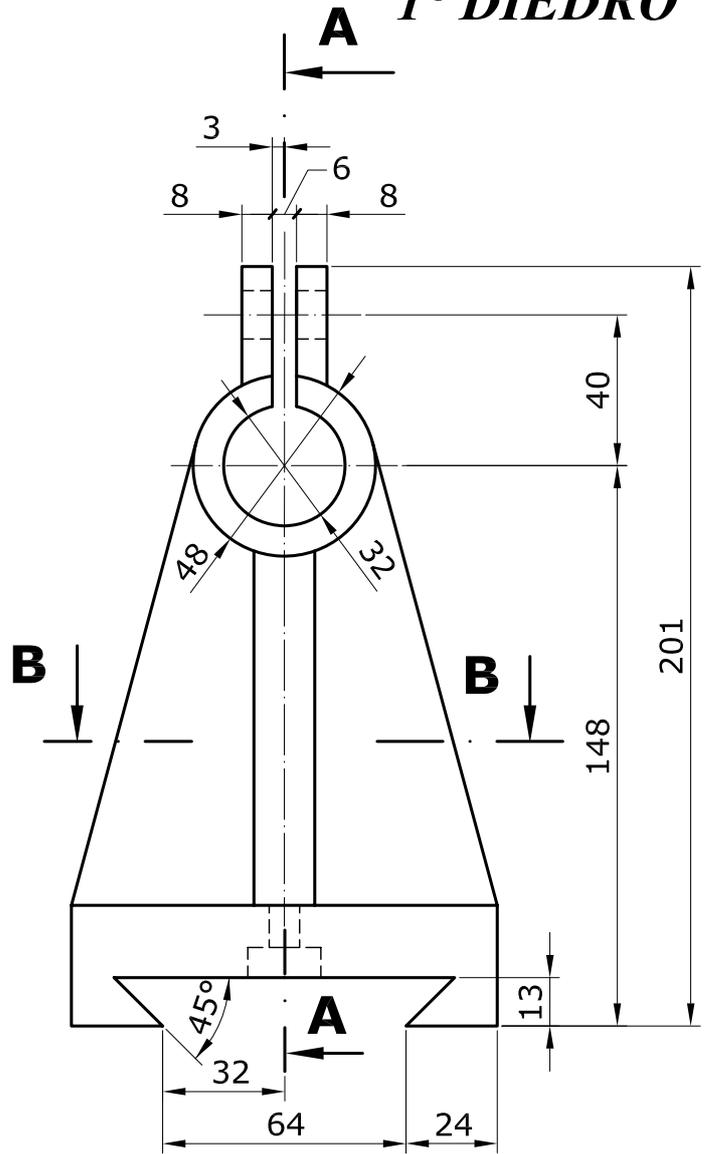
Escala 1:1

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -28.1
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	ESCALA E COTAS	
			Respeitando a escala indicada, cotar o desenho.	Prof. Clélio

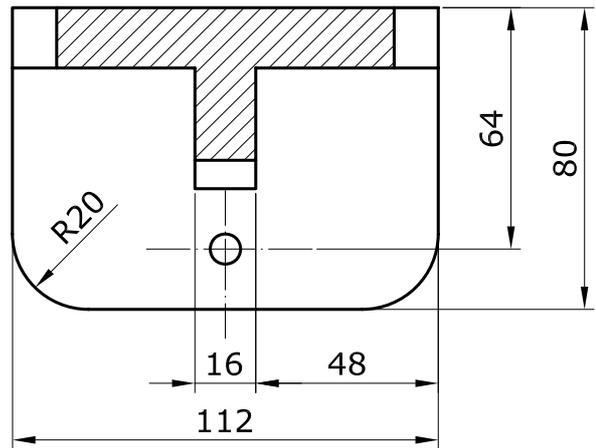
1º DIEDRO



Corte - AA

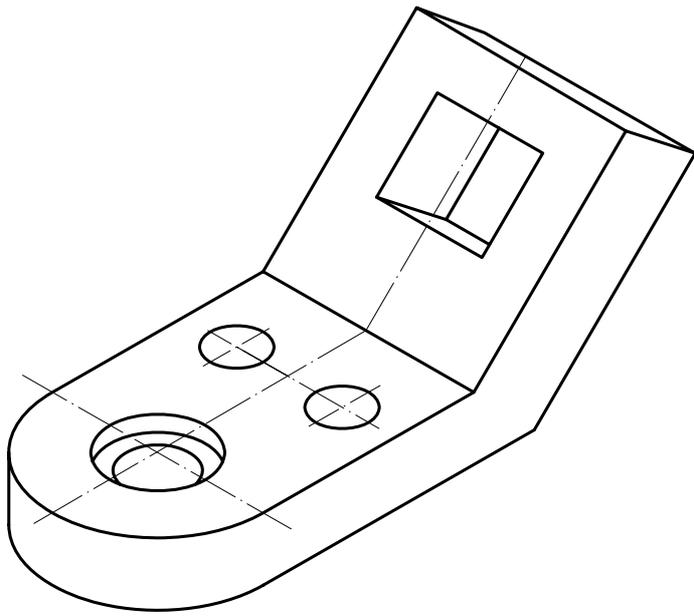


Corte - BB

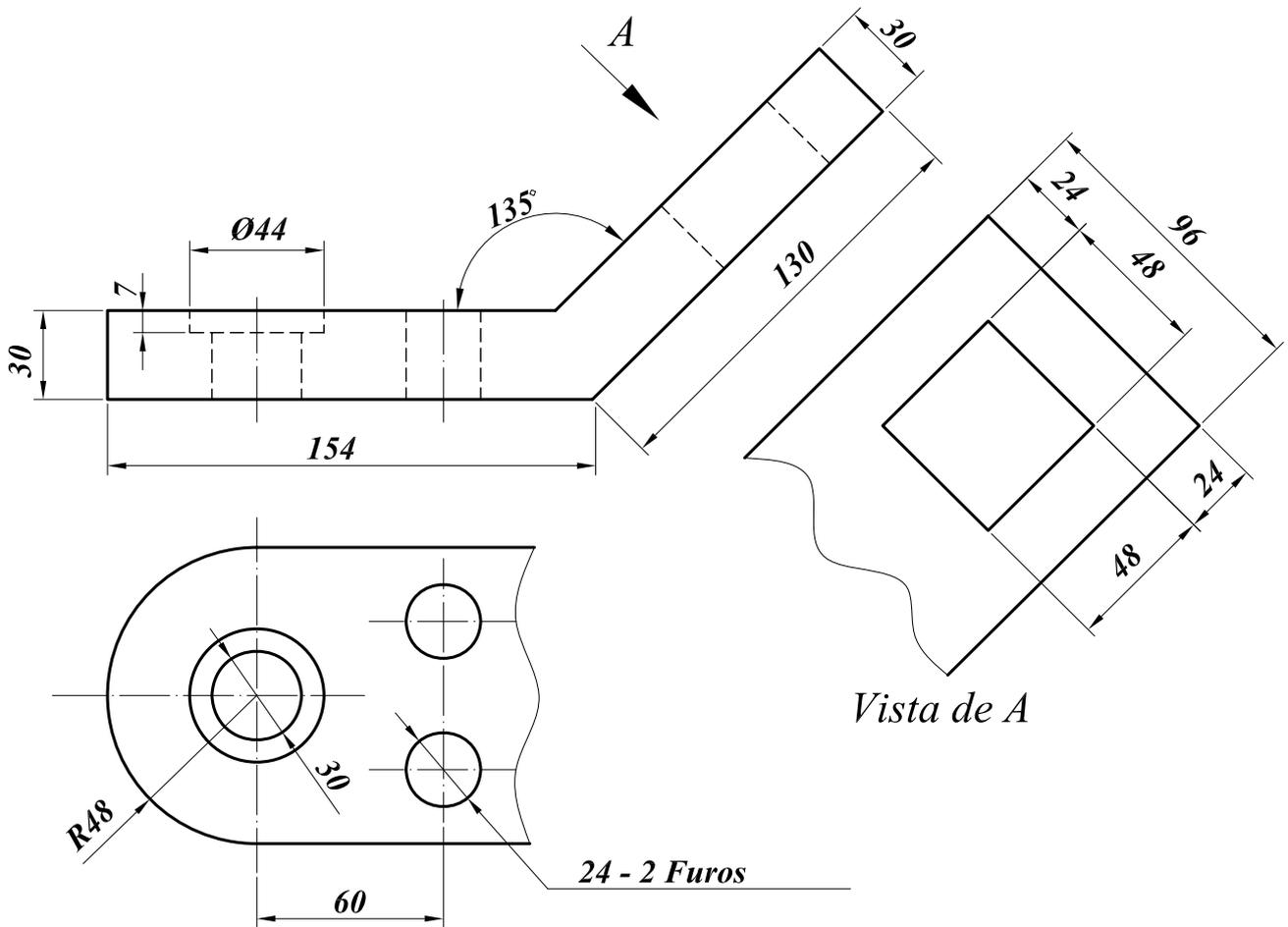


Escala 1:2

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -28.2
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	ESCALA E COTAS Respeitando a escala indicada, cotar o desenho.	Prof. Clélio



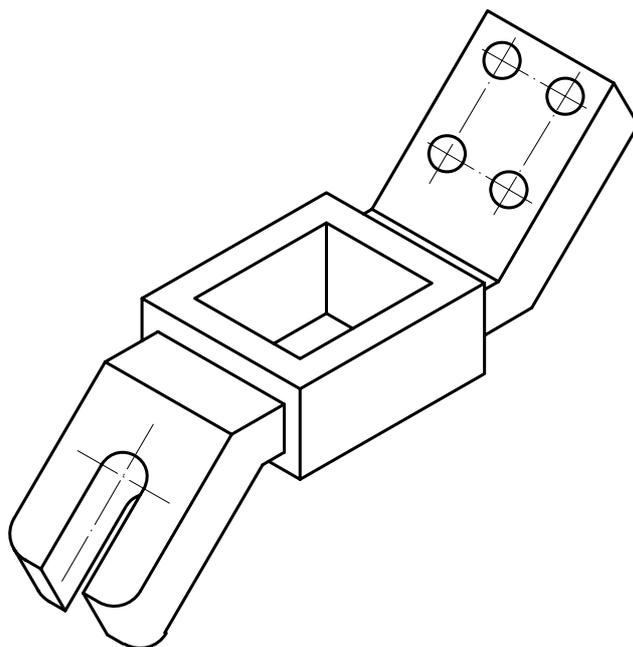
Respeitando a escala indicada, colocar valores nas cotas do desenho.



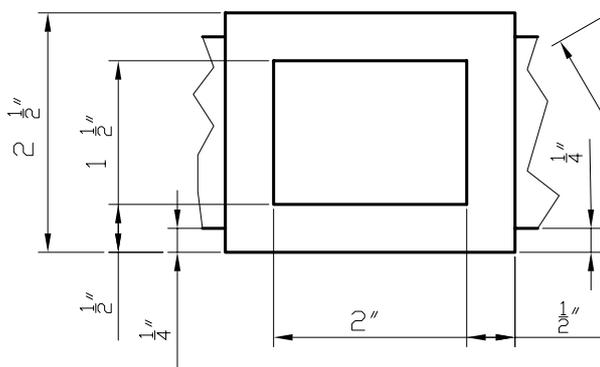
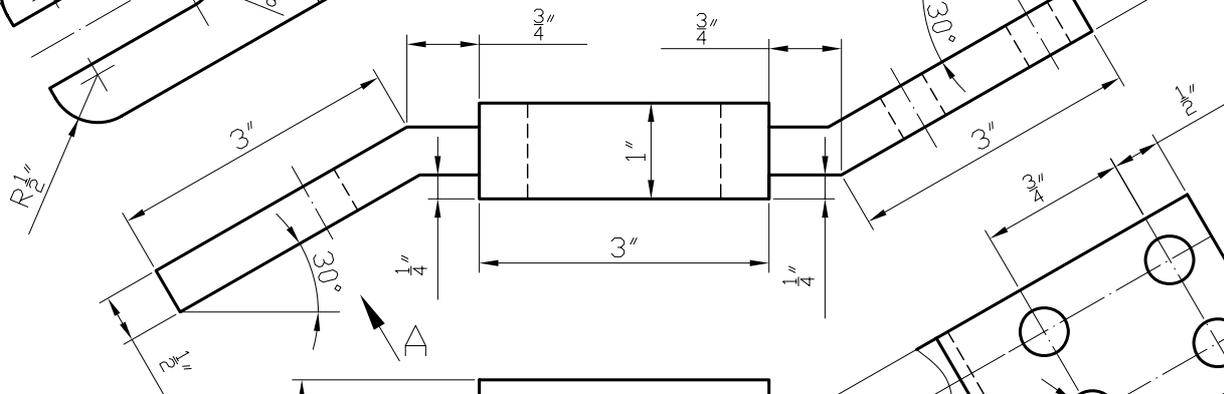
Escala 1:2,5

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -29
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	VISTAS AUXILIARES	Prof. Clélio

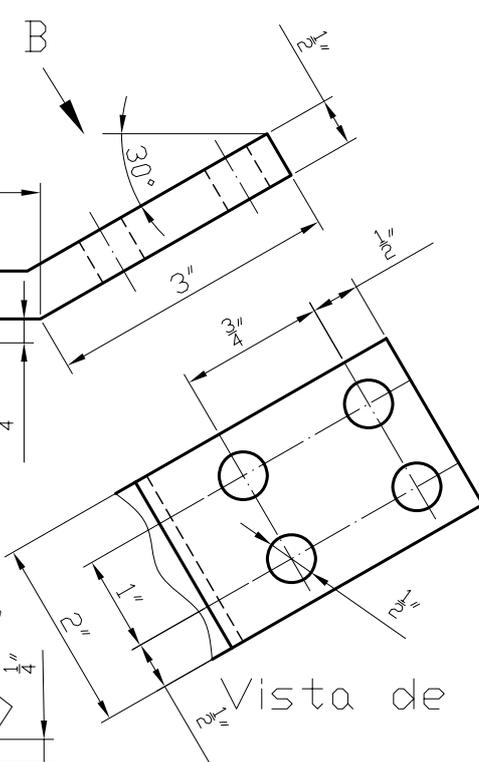
Sabendo que o desenho foi feito em polegadas, colocar, de acordo com a escala indicada, valores nas cotas.



Vista de A

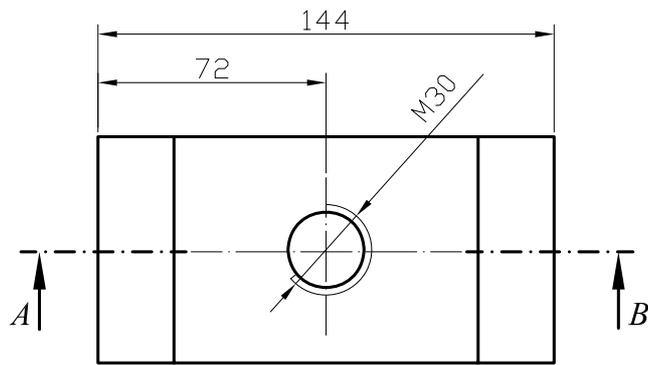


Vista de B



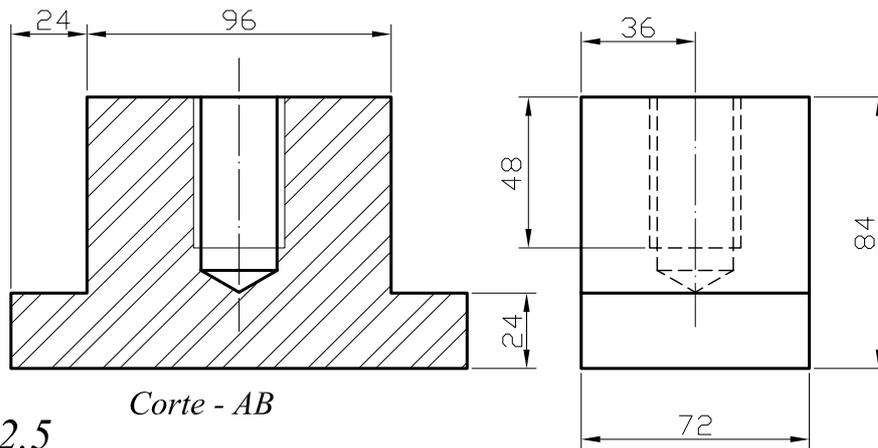
Escala 1:2

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -30
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	VISTAS AUXILIARES COM APLICAÇÃO DE ESCALA	Prof. Clélio



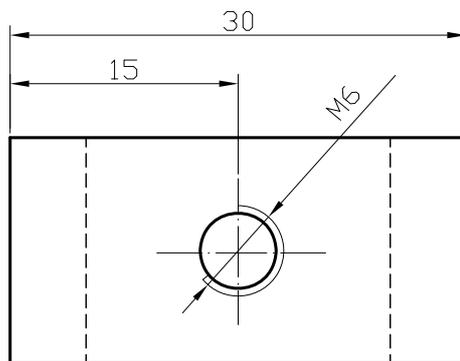
Dadas as vistas superior e lateral esquerda, completar a vista de frente desenhando o Corte - AB indicado e, de acordo com a escala do desenho, colocar valores nas cotas.

Obs.: Rosca métrica M 30



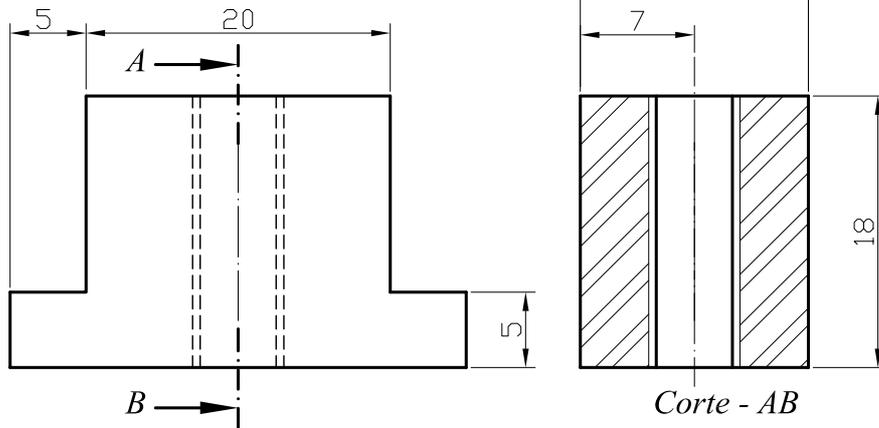
Corte - AB

Escala 1:2,5



Dadas as vistas de frente e superior, completar a vista lateral esquerda desenhando o Corte - AB indicado e, de acordo com a escala do desenho, colocar valores nas cotas.

Obs.: Rosca métrica M 6

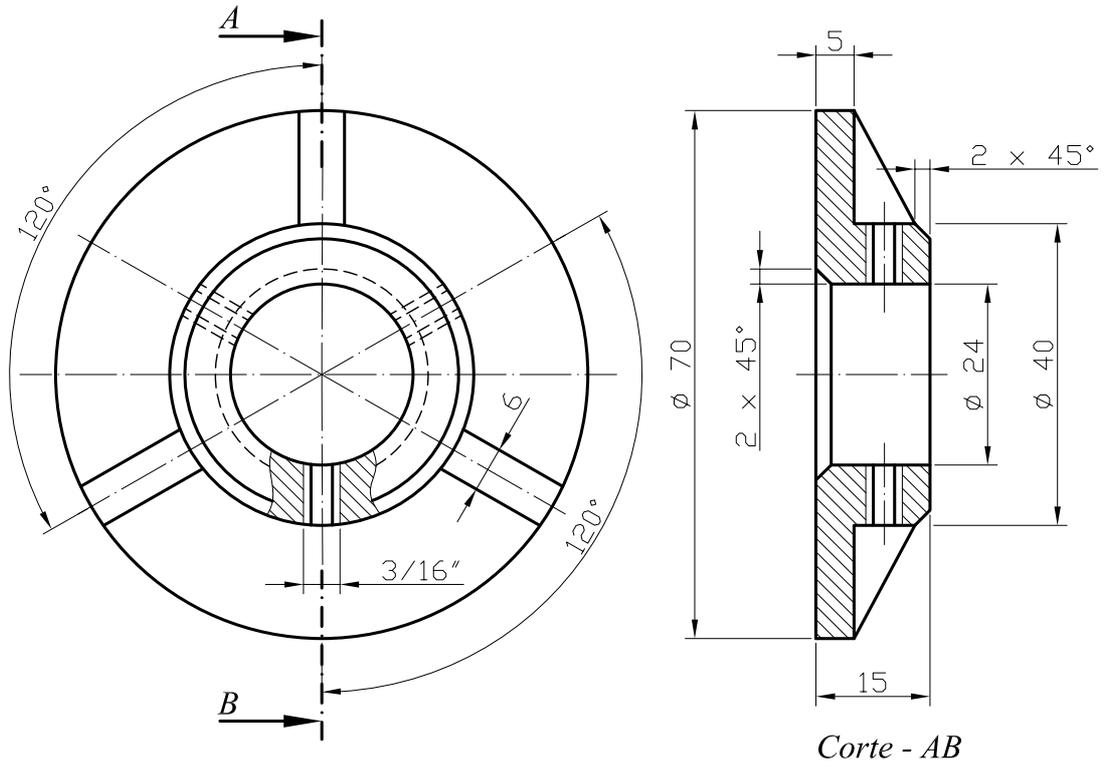


Corte - AB

Escala 2:1

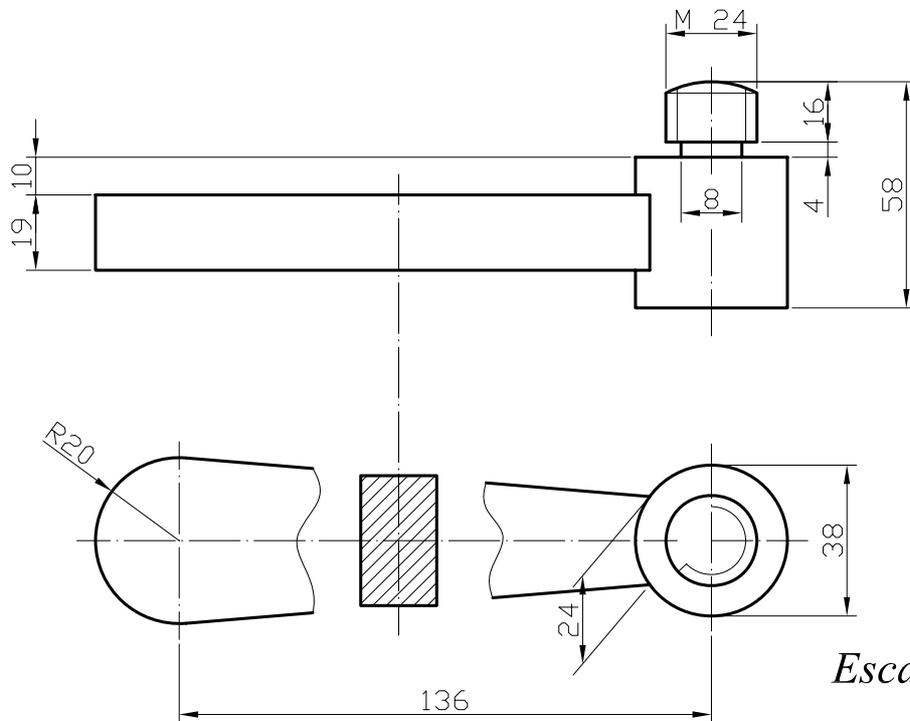
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -31
Nome	RESOLVIDO			Título
Número	Turma	Data	DESENHO DE RÔSCAS COM APLICAÇÃO DE CORTES E ESCALAS	
				Nota
				Prof. Clélio

Dada a vista de frente, completar o desenho da vista lateral aplicando o Corte - AB com rebatimento da nervura e do furo roscado.
Identificar a escala do desenho.



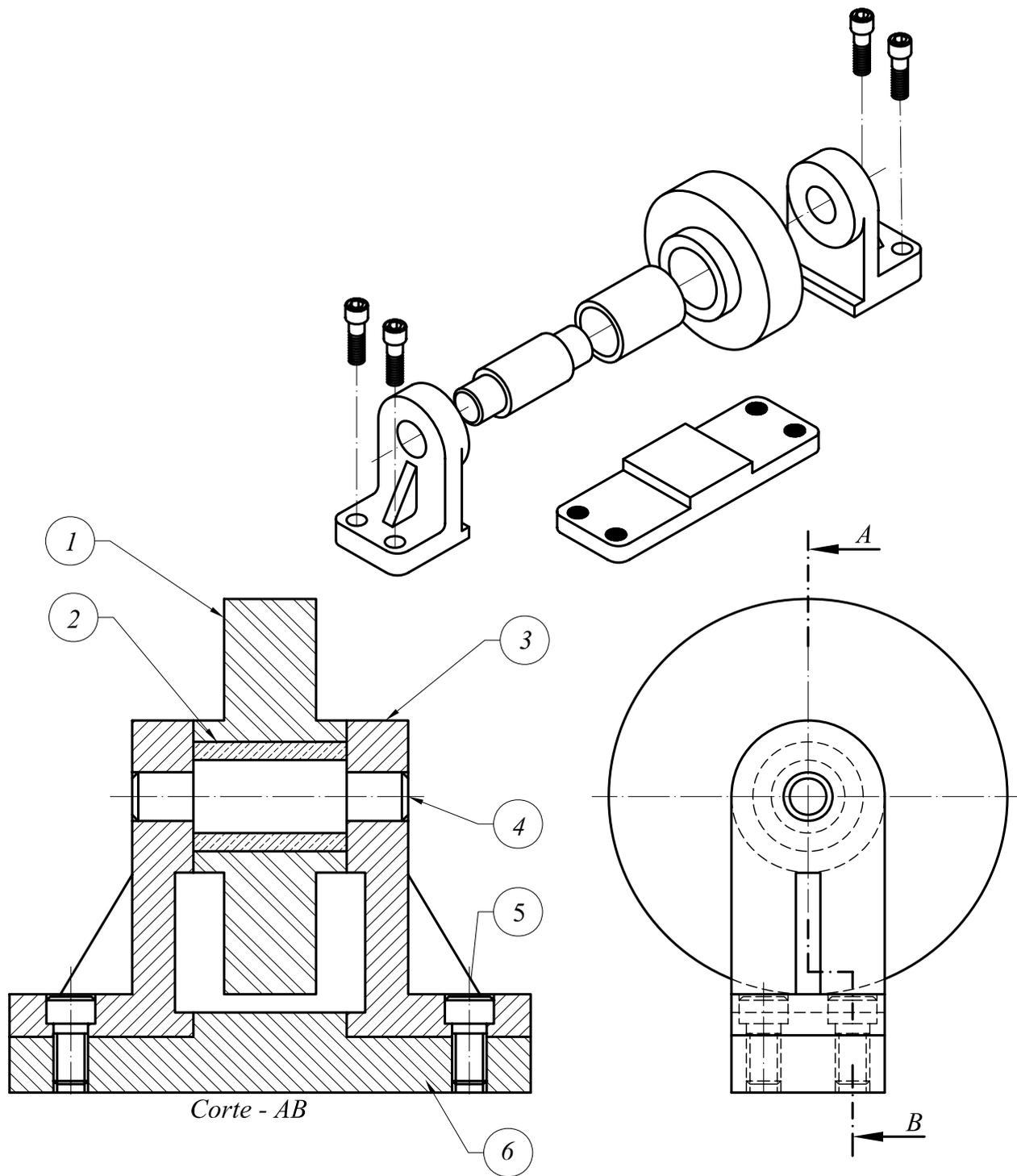
Escala 1 : 1

Dadas duas vistas, desenhar a seção do ponto indicado na vista superior e, de acordo com a escala do desenho, colocar valores nas cotas.



Escala 1:2

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -32
Nome	RESOLVIDO		Titulo	DESENHO DE RÔSCAS COM APLICAÇÃO DE CORTES, SEÇÕES E ESCALA
Número	Turma	Data		Nota
				Prof. Clélio



Escala 1:2,5

6	Base	1	Fe.Fo.	
5	Parafuso Allen com cabeça	4		5/16" x 1"
4	Eixo	1	Aço	Aderente forçado leve no item 3
3	Suporte	2	Fe.Fo.	
2	Bucha	1	Bronze	Rotativa no item 4 e forçada duro no item 1
1	Polia	1	Aço	
ITEM	DENOMINAÇÃO	Qdade.	Material	AJUSTES

CURSO DE DESENHO TÉCNICO

TC/TS -33.1

Nome

RESOLVIDO

Título

POLIA LOUCA
Desenho de Conjunto

Nota

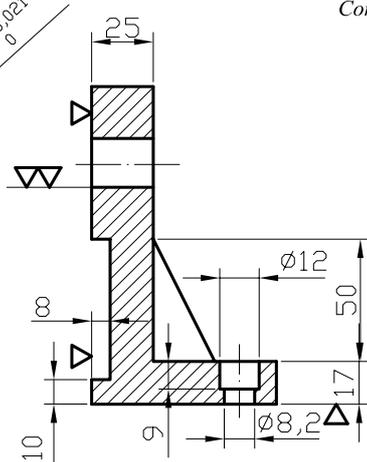
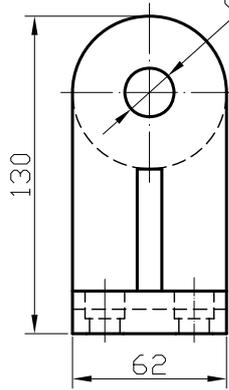
Número

Turma

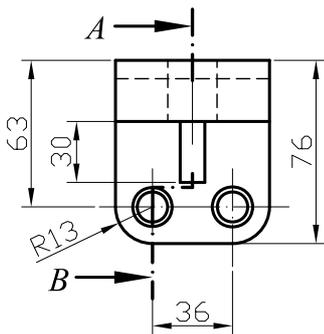
Data

Prof. Clélio

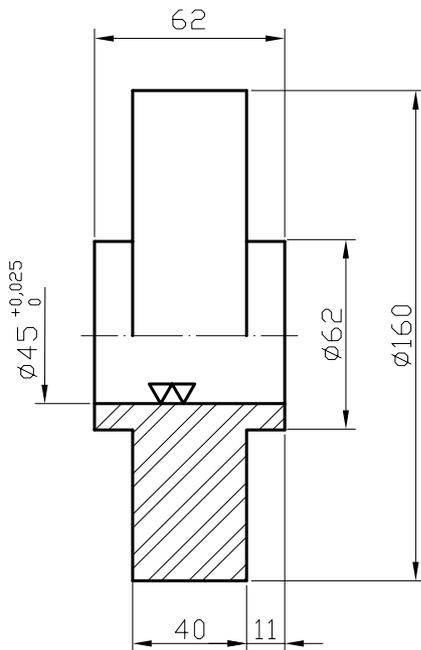
3 ~ (∇, ∇) 20 ^{+0,021}₀



Corte - AB



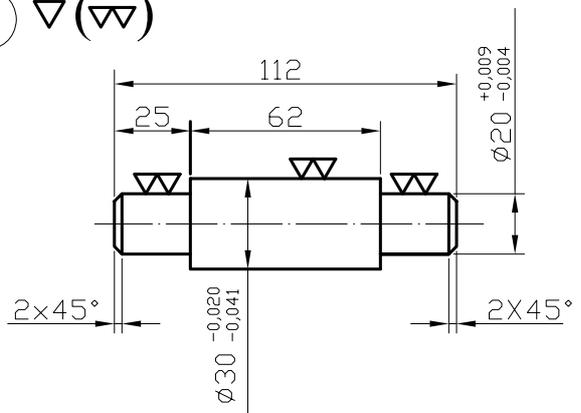
1 ∇(∇)



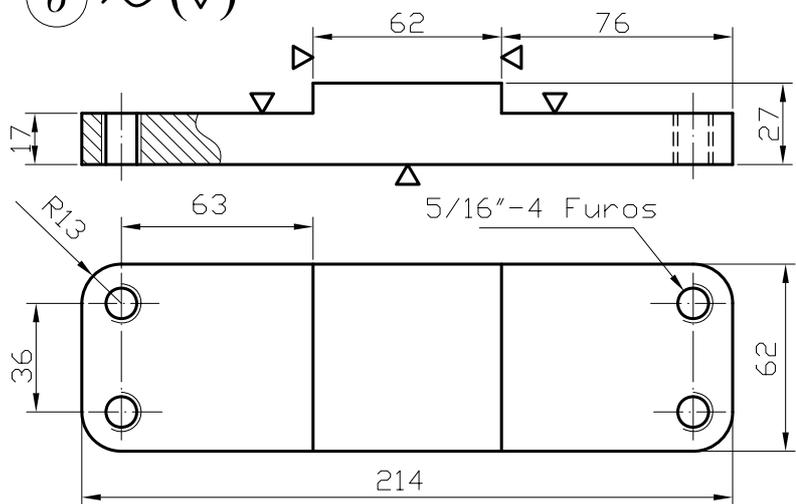
Considerando os desenhos dados:

- 1 - Observando a montagem, colocar valores nas cotas.
- 2 - Colocar as tolerâncias para garantir os ajustes indicados na tabela do desenho de conjunto.
- 3 - Completar a indicação dos acabamentos superficiais.

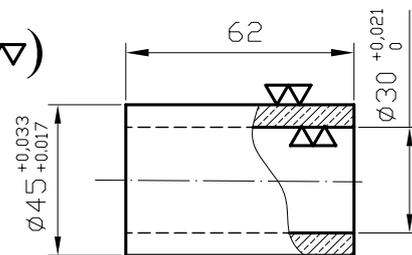
4 ∇(∇)



6 ~ (∇)



2 ∇(∇)



Obs.: Todos os desenhos estão sem escala

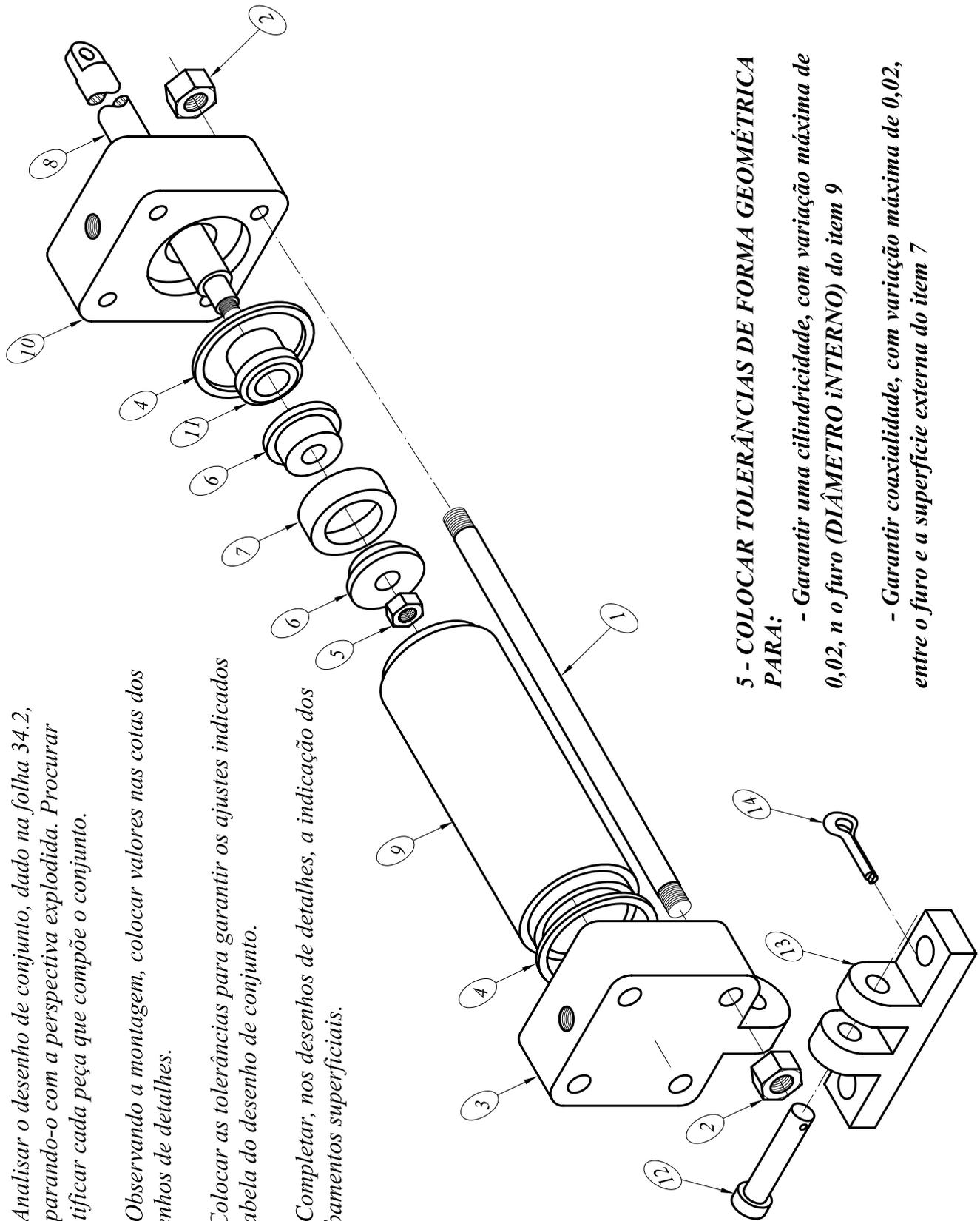
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS -33.2
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	POLIA LOUCA Desenho de Detalhes	
				Prof. Clélio

1 - Analisar o desenho de conjunto, dado na folha 34.2, comparando-o com a perspectiva explodida. Procurar identificar cada peça que compõe o conjunto.

2 - Observando a montagem, colocar valores nas cotas dos desenhos de detalhes.

3 - Colocar as tolerâncias para garantir os ajustes indicados na tabela do desenho de conjunto.

4 - Completar, nos desenhos de detalhes, a indicação dos acabamentos superficiais.



5 - COLOCAR TOLERÂNCIAS DE FORMA GEOMÉTRICA PARA:

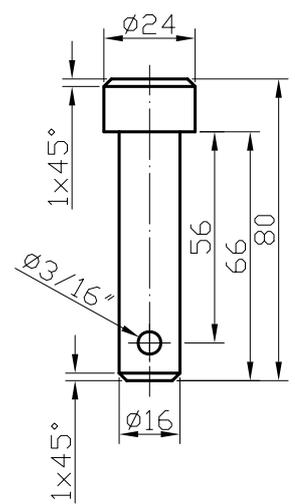
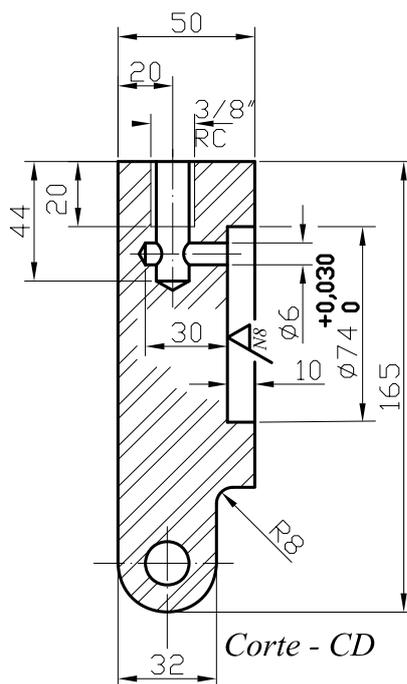
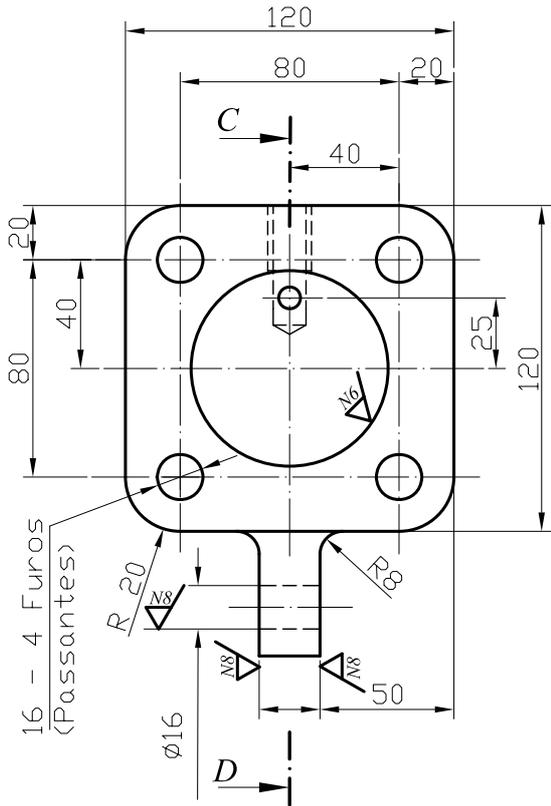
- Garantir uma cilindridade, com variação máxima de 0,02, no furo (DIÂMETRO INTERNO) do item 9

- Garantir coaxialidade, com variação máxima de 0,02, entre o furo e a superfície externa do item 7

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 34.1
Nome		RESOLVIDO		Nota
Número				
		Data		Prof. Clélio
		Título		
		CILINDRO HIDRÁULICO (Perspectiva Explodida)		

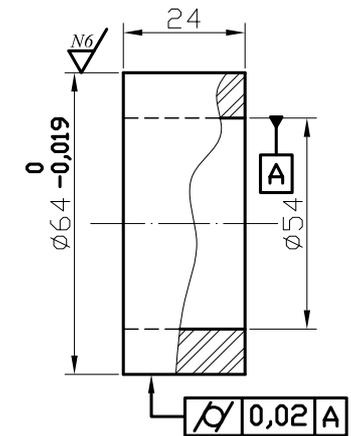
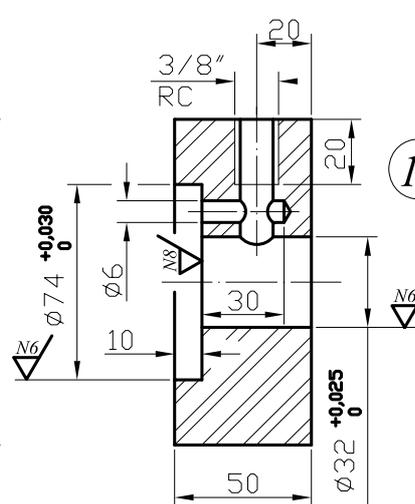
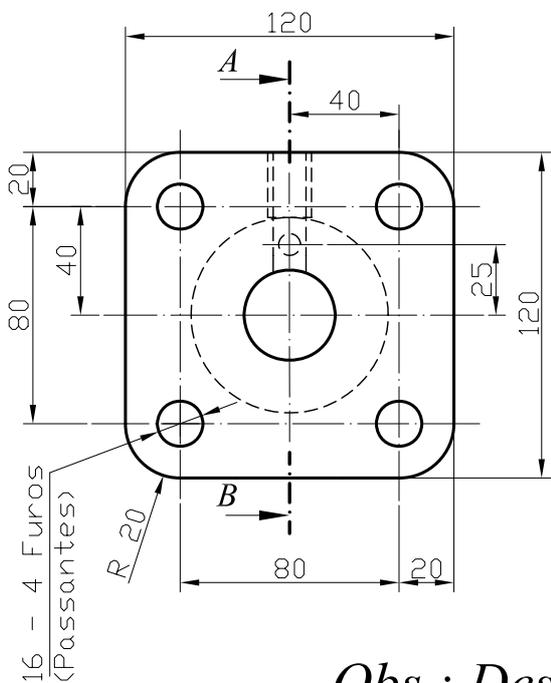
3 N10/ (N8/ N6/)

12 N8/

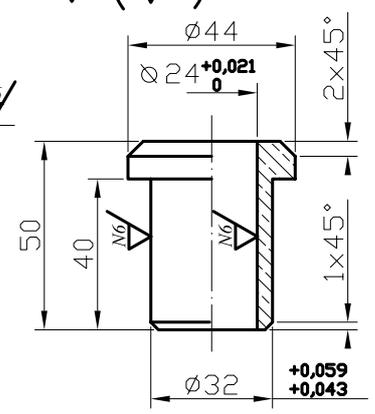


10 N10/ (N8/ N6/)

7 N8/ (N6/)



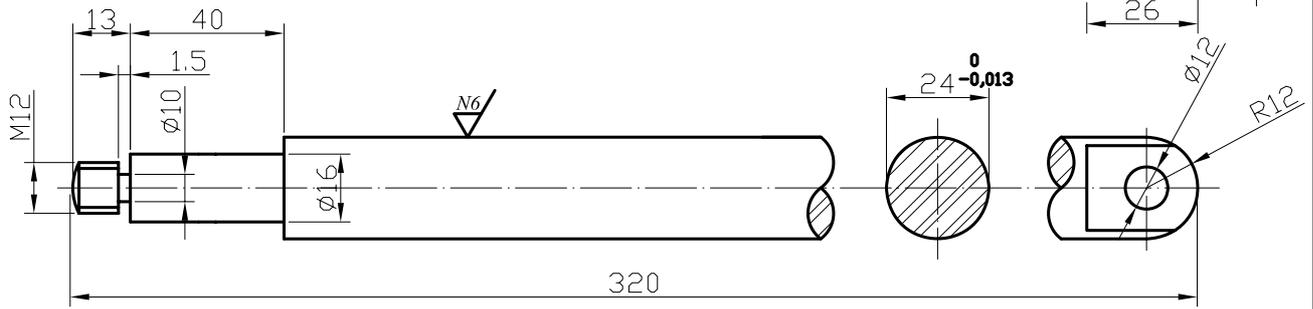
11 N8/ (N6/)



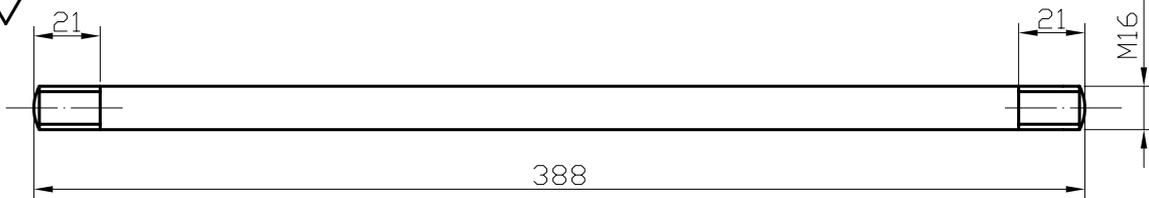
Obs.: Desenhos sem escala

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 34.3
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	CILINDRO HIDRÁULICO (Desenho de Detalhes)	Prof. Clélio

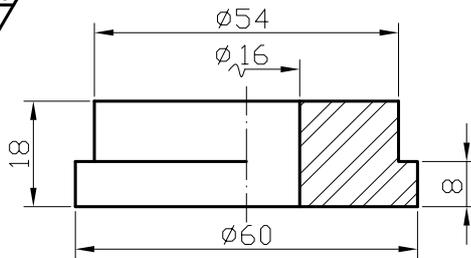
8 ∇ N8 / (∇ N6)



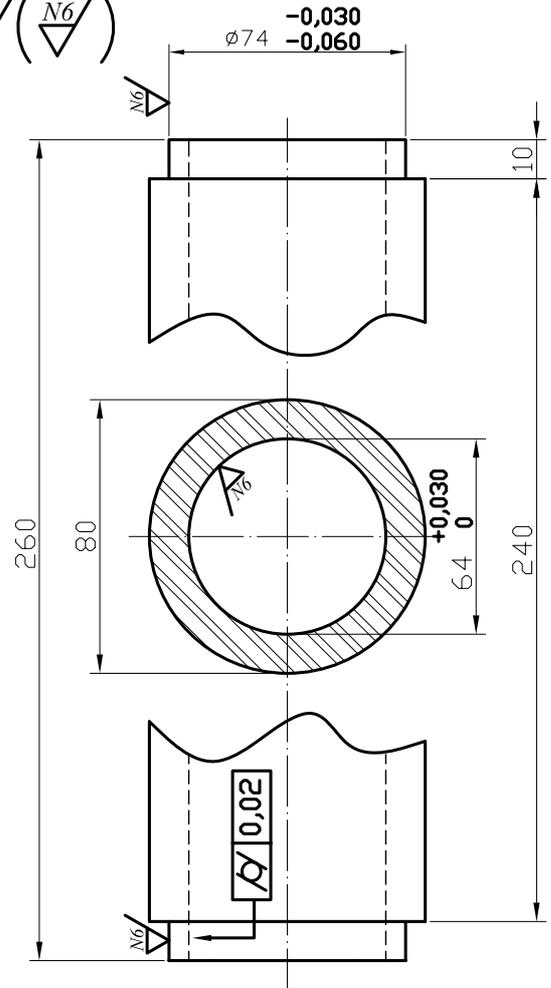
1 ∇ N10



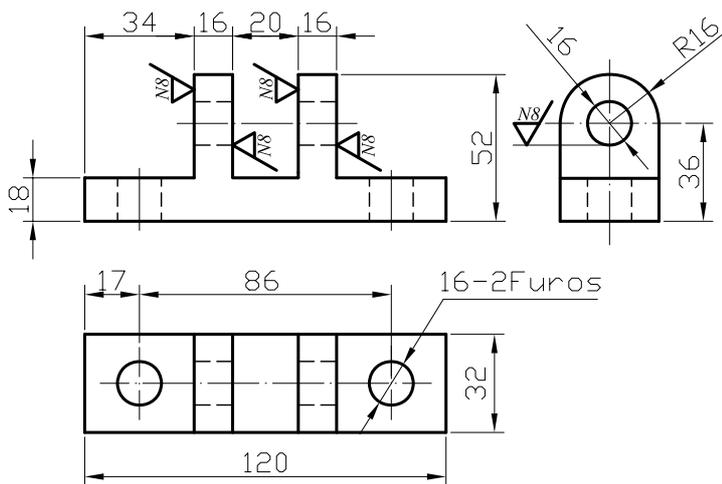
6 ∇ N8



9 ∇ N8 / (∇ N6)



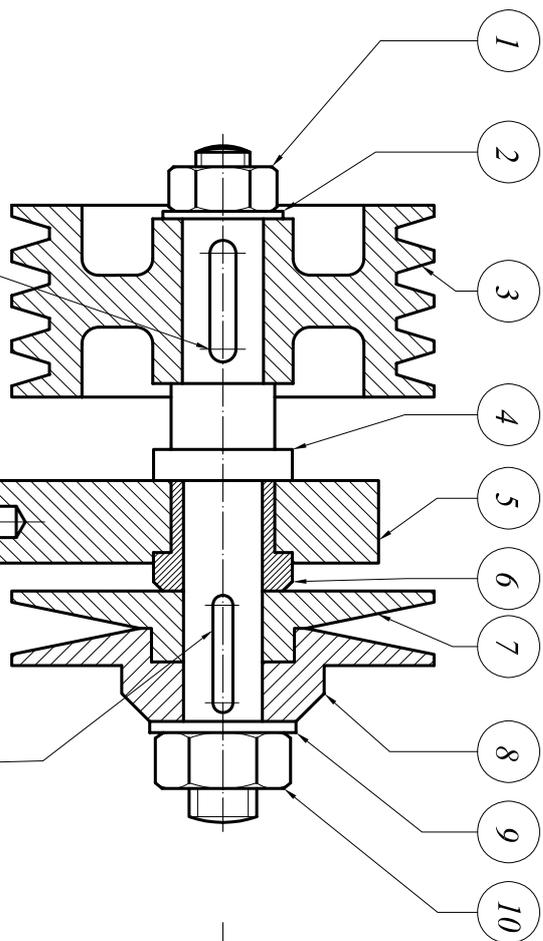
13 ∇ N10 / (∇ N8)



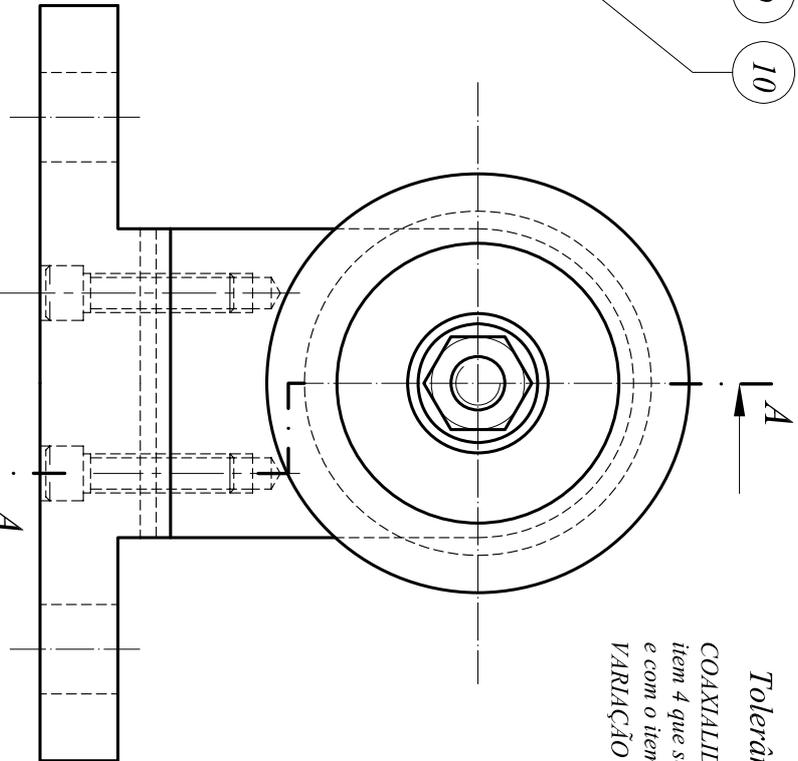
Desenhos sem escala

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 34.4
Nome	RESOLVIDO		Título	Nota
Número	Turma	Data	CILINDRO HIDRÁULICO (Desenho de Detalhes)	Prof. Clélio

VARIADOR DE VELOCIDADE



11
12 Corte - AA
13
14



Tolerância Geométrica:
COAXIALIDADE - Nas superfícies do item 4 que se acoplam com os itens 7, 8 e com o item 3.
VARIAÇÃO ADMISSÍVEL DE 0,015

14	Chaveta embutida	1	Forjado duro no item 4
13	Base do suporte	1	
12	Parafuso Allem com cabeça - 1/2"	2	
11	Chaveta embutida	1	
10	Porca hexagonal - M 24	1	
9	Arruela plana - diâ. 24	1	
8	Polia fêmea	1	H6 / h5 a Polia macho (Item 7)
7	Polia macho	1	
6	Bucha	1	A pressão com esforço no item 5
5	Suporte das polias	1	
4	Eixo das polias	1	Rotativa no item 6
3	Polia em "V" para Correia Tipo A	1	
2	Arruela plana - diâ. 20	1	
1	Porca hexagonal - M 20	1	
ITEM	DENOMINAÇÃO	Qtdade.	AJUSTES

Desenho sem Escala

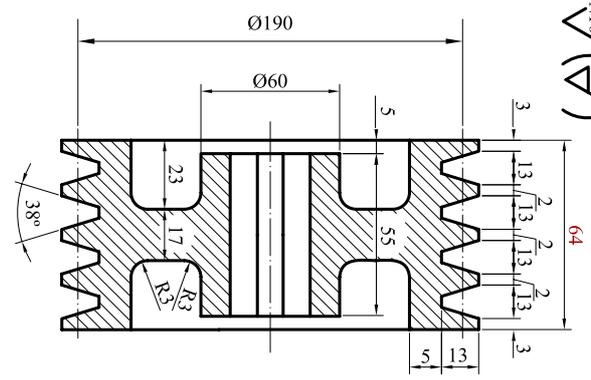
Folha 1 de 4

CONSIDERANDO O DESENHO DE CONJUNTO, COMPLETAR OS DESENHOS DOS DETALHES, COLOCANDO OS VALORES NAS COTAS, OS SÍMBOLOS DE ACABAMENTO SUPERFICIAL E TAMBÉM AS TOLERÂNCIAS PARA GARANTIR OS AJUSTES INDICADOS NA TABELA AO LADO.

DESENHAR O ITEM 6 NA FOLHA 4 DE 4

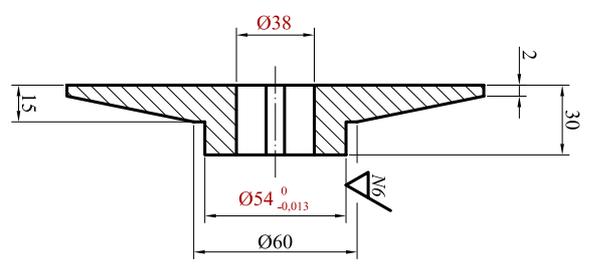
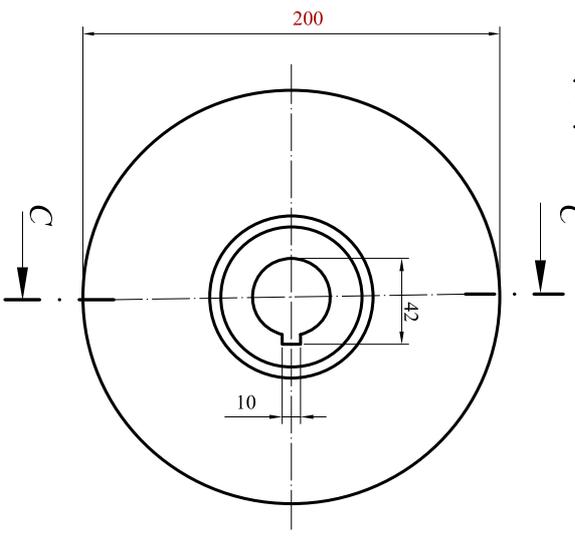
Nome		Curso de	
RESOLVIDO		DESENHO TÉCNICO	
		TC/TS - 35.1	
Número	Turna	Data	

3 $\sqrt{N10} / (\sqrt{N8})$



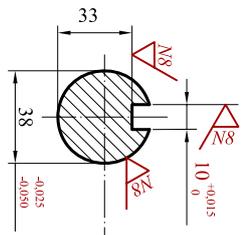
Corte - BB

7 $\sqrt{N8} / (\sqrt{N6})$

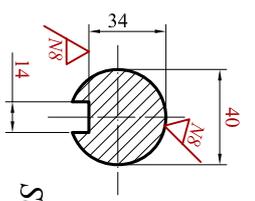
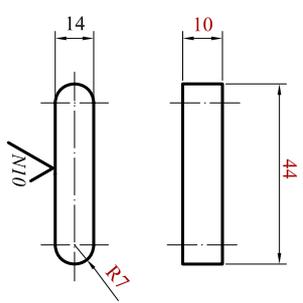


Corte - CC

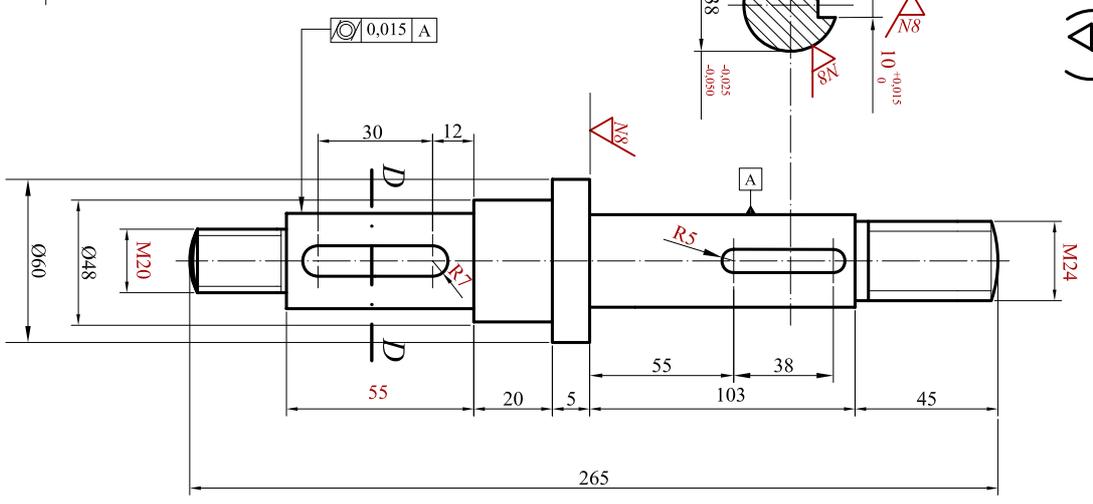
4 $\sqrt{N10} / (\sqrt{N8})$



11 $\sqrt{N8} / (\sqrt{N10})$



Seção - DD



Desenho sem Escala

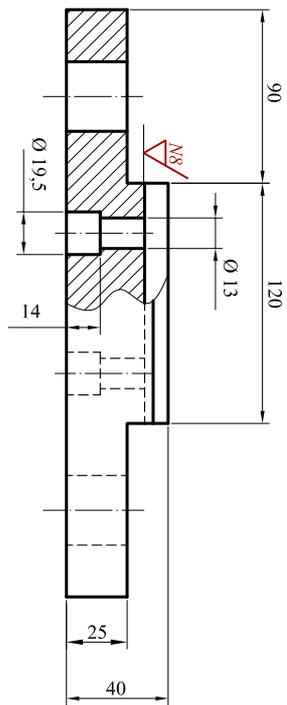
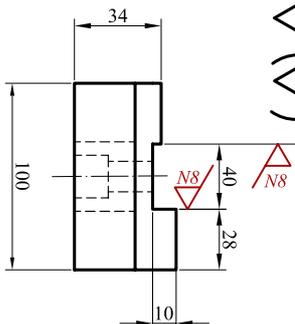
Nome

RESOLVIDO

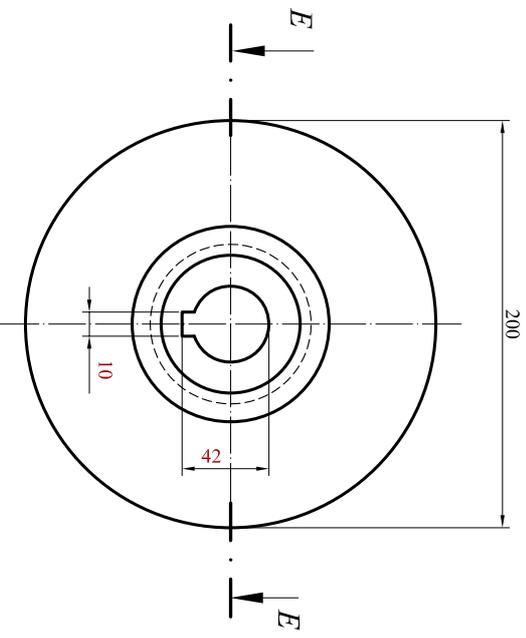
Número

TCTS - 35.2 Folha 2 de 4

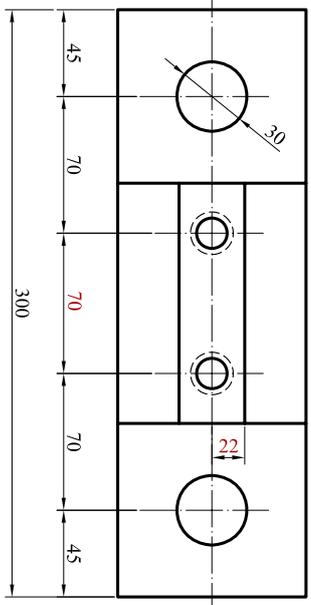
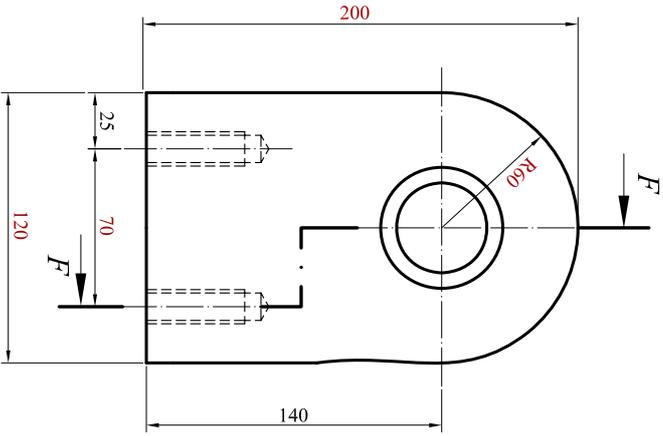
13 $\nabla_{N10} / (\nabla_{N8})$



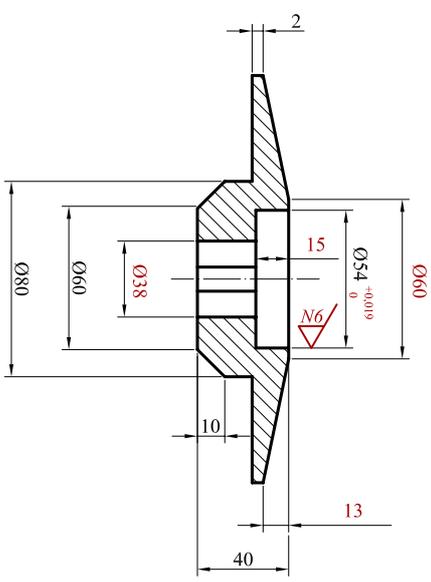
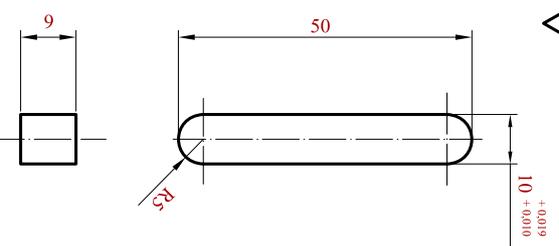
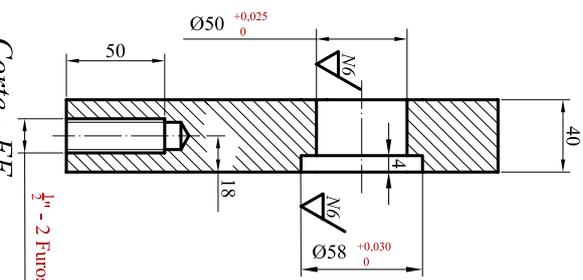
8 $\nabla_{N8} / (\nabla_{N6})$



5 $\nabla_{N8} / (\nabla_{N6})$



14 ∇_{N8}



Desenho sem Escala

RESOLVIDO

Nome

Número

Corte - EE
TC/TS - 35.3 Folha 3 de 4

6 $\frac{N8}{\sqrt{}}$ ($\frac{N6}{\sqrt{}}$)

DETERMINAÇÃO DO AJUSTE H6/h5

Para H6: Utiliza-se os afastamentos da tabela do eixo h6 com os sinais trocados.

Para h5: Calcular

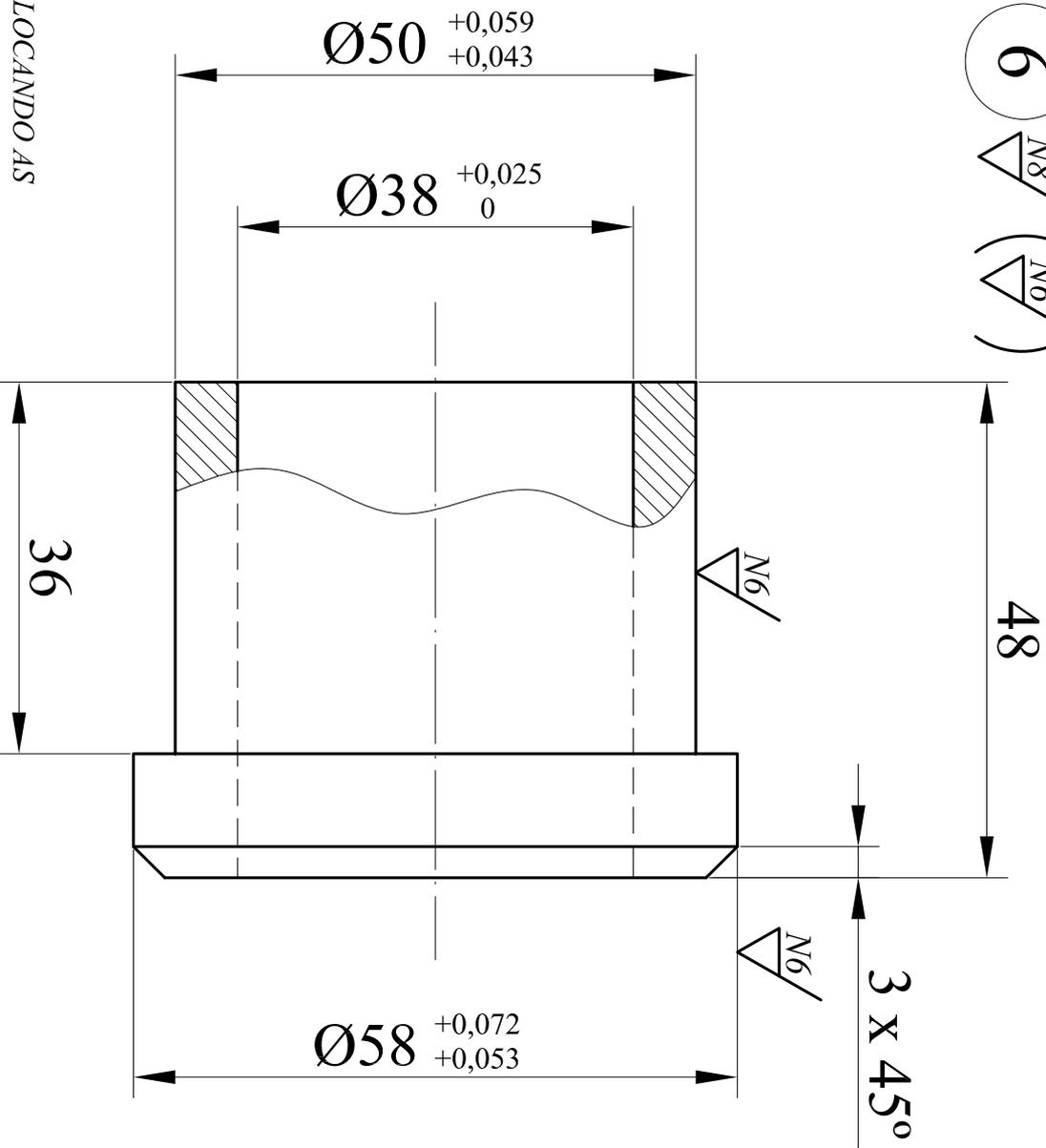
Grupo de dimensões de 50 até 80.

$$MG = \sqrt{50 \times 80} = 63,25$$

$$i = 0,43 \sqrt[3]{63,25} + (0,001 \times 63,25) = 1,8562$$

$$IT\ 5 \rightarrow 7i \rightarrow 12,99 \approx 13\mu$$

$$\Phi 54\ h5 = \Phi 54\ \begin{matrix} 0 \\ -0,013 \end{matrix}$$



DESENHAR E COTAR O ITEM 6, COLOCANDO AS TOLERÂNCIAS E OS SINAIS DE ACABAMENTO SUPERFICIAL. FAZER NA ESCALA 2:1 E EM UMA ÚNICA VISTA, UTILIZANDO CORTE PARCIAL.

Escala 2:1

Obs.: O chanfro tem a dimensão de 3 mm e ângulo de 45°

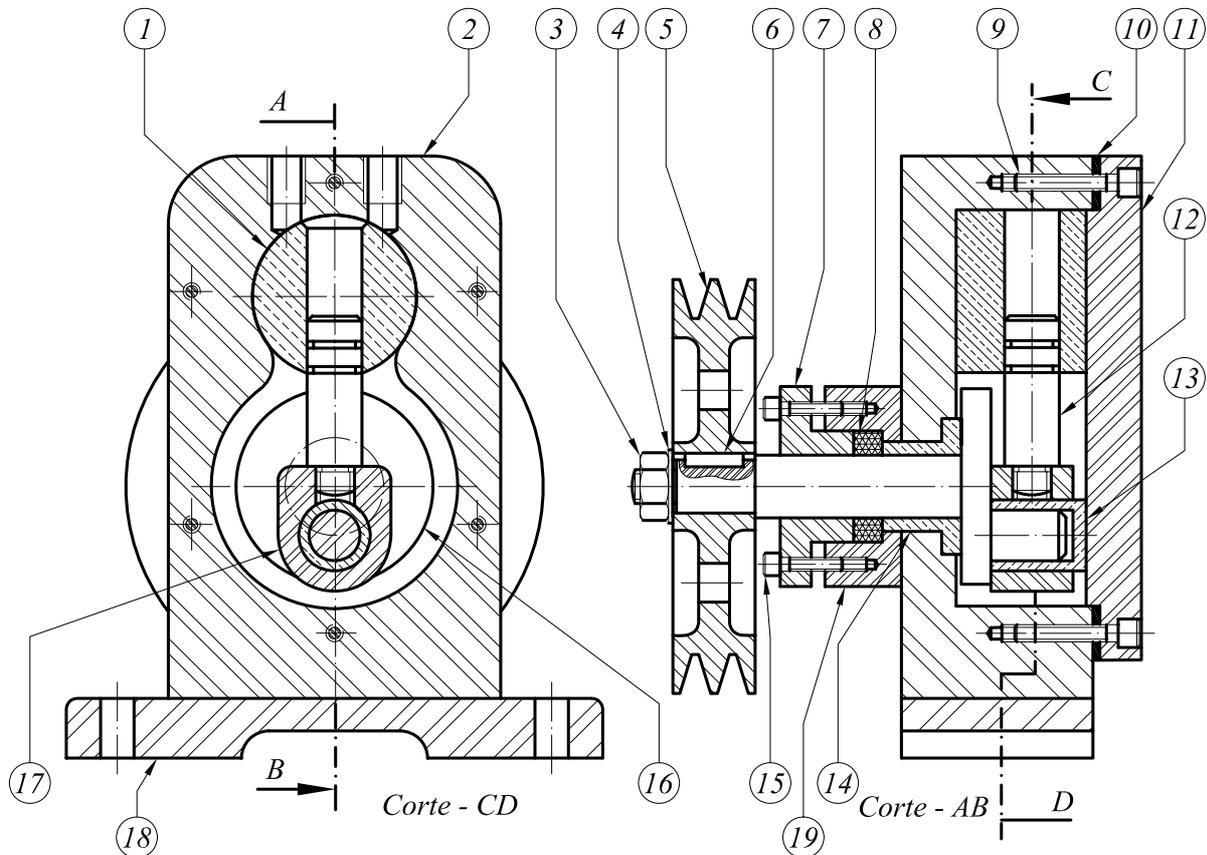
Nome **RESOLVIDO**

Número

TC/TS - 35.4 Folha 4 de 4

1ª Questão - Dados os desenhos do conjunto e dos detalhes:

Colocar os valores correspondentes nas cotas que estão em branco;
 Completar a colocação dos símbolos de acabamento superficial;
 Colocar as tolerâncias para garantir os ajustes indicados na tabela.



19	Mancal Soldado	1	Aço	
18	Base do Corpo da Bomba	1	Aço	
17	Cabeça do Pistão	1	Aço	Rotativo no item 13 (H7/f7)
16	Eixo da Bomba	1	Aço	Deslizante no item 14 (H7/g6)
15	Parafuso Allem c. cabeça - 5/16"	4		
14	Bucha do Eixo	1	Bronze	A pressão com esforço no item 2 (H7/s6)
13	Bucha do Pistão	1	Bronze	Forçado Duro no item 16 (H7/n6)
12	Pistão	1	Aço	Deslizante Justo no item 1 (H6/h5)
11	Tampa da Bomba	1	Aço	
10	Junta de Vedação	1	Cortiça	
9	Parafuso Allen com cabeça - 1/2"	6		
8	Gaxeta	1	Teflon	
7	Preme-Gaxeta	1	Aço	
6	Chaveta	1	Aço	
5	Polia em "V" para correia tipo A	1	Fo. Fo.	
4	Arruela Plana Ø20	1		
3	Porca Hexagonal M20	1		
2	Corpo da Bomba	1	Aço	
1	Rotor	1	Bronze	Deslizante no item 2 (H7/g6)
ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	AJUSTES RECOMENDADOS

CURSO DE DESENHO TÉCNICO

TC/TS - 36.1

Nome

RESOLVIDO

Título

BOMBA DE PISTÃO
 Desenho de Conjunto

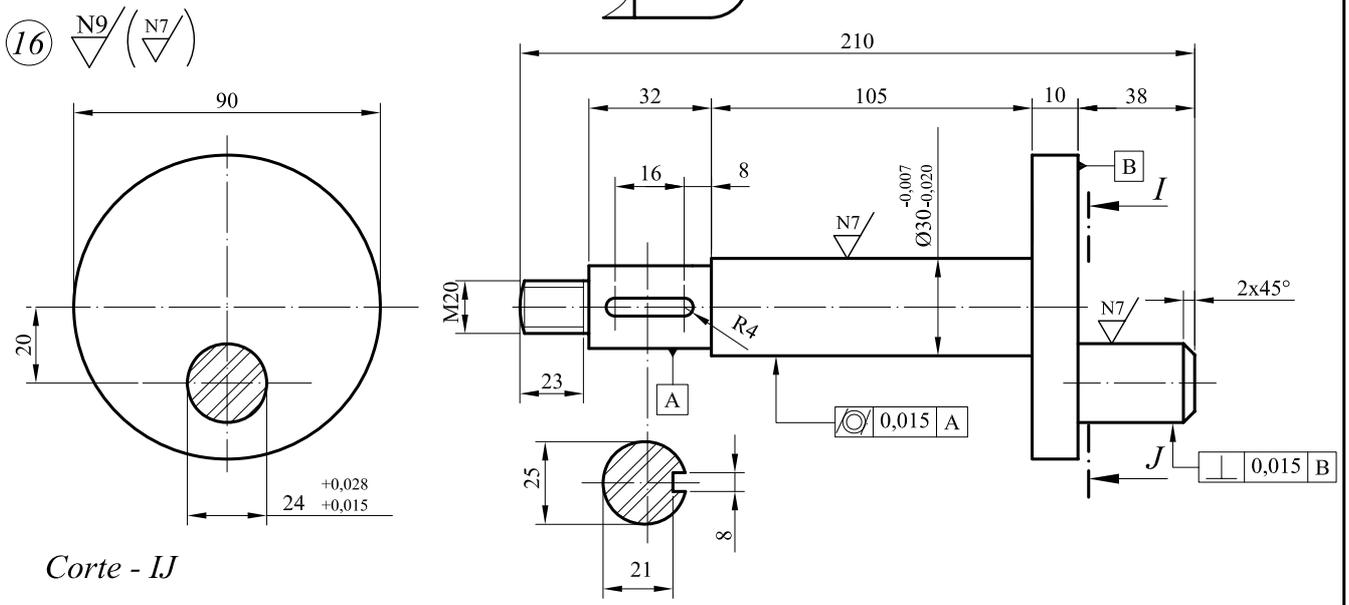
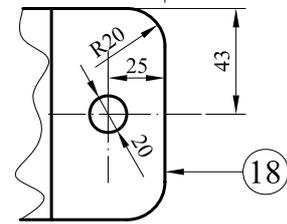
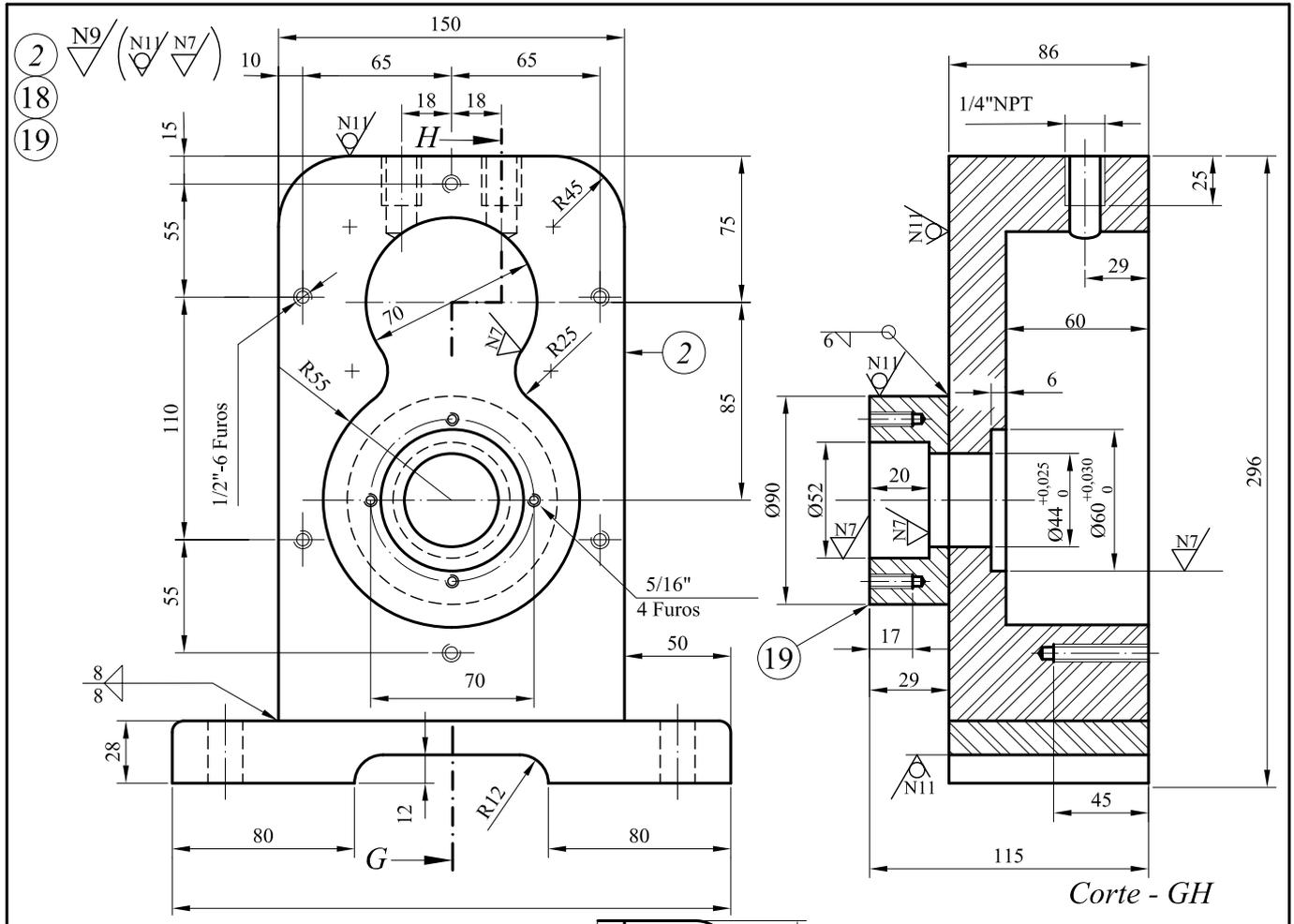
Nota

Número

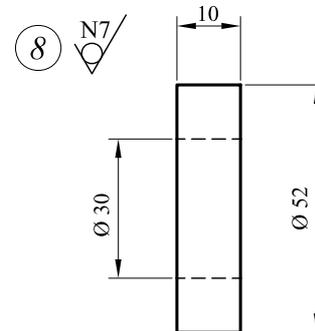
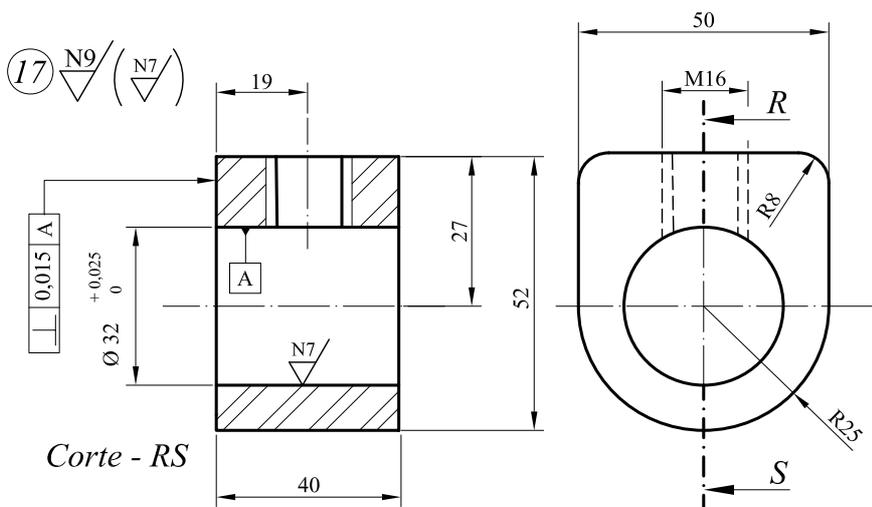
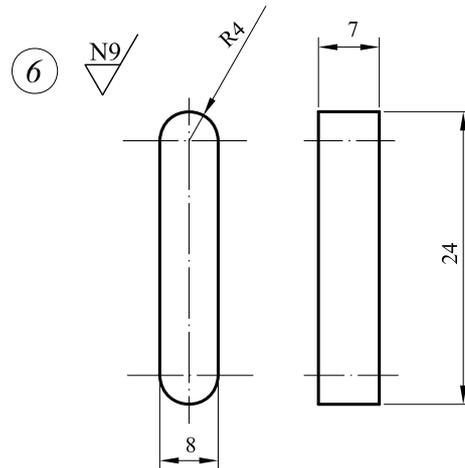
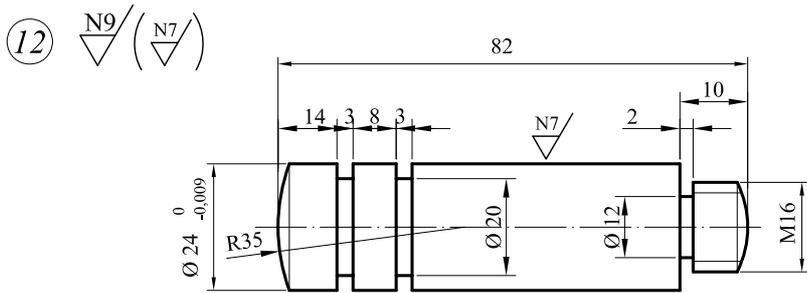
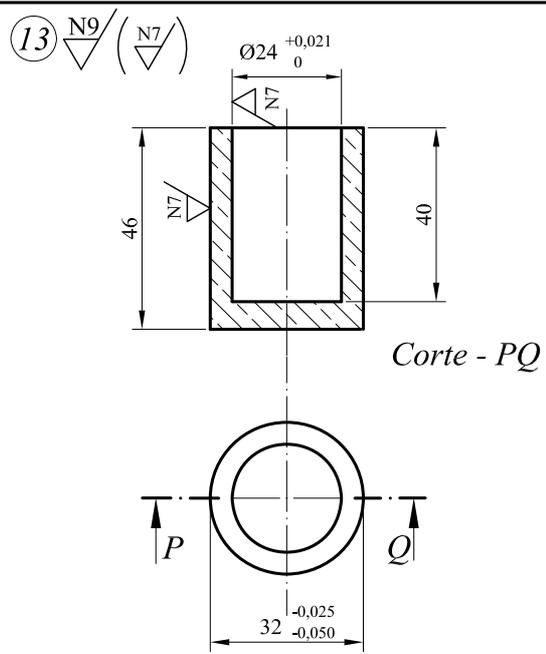
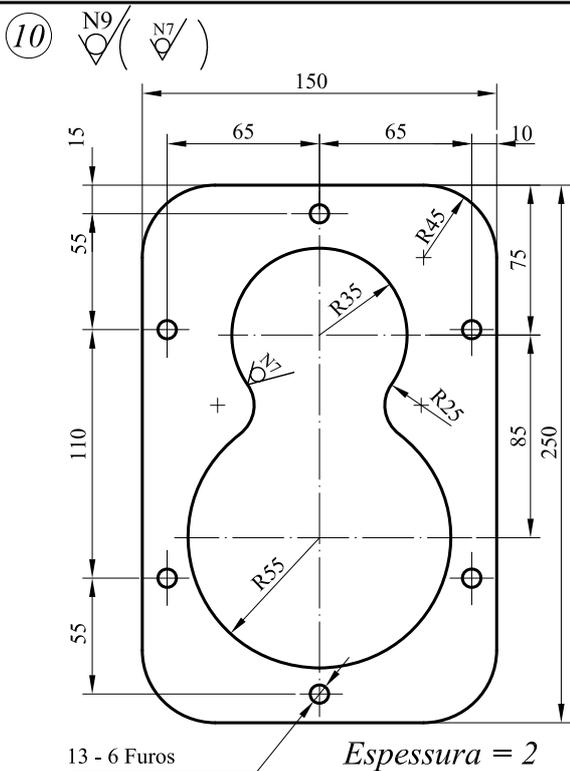
Turma

Data

Prof. Clélio



ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 36.3
Nome		RESOLVIDO		Título
Número		Turma		Data
BOMBA DE PISTÃO Desenho de Detalhes				Nota
				Prof. Clélio

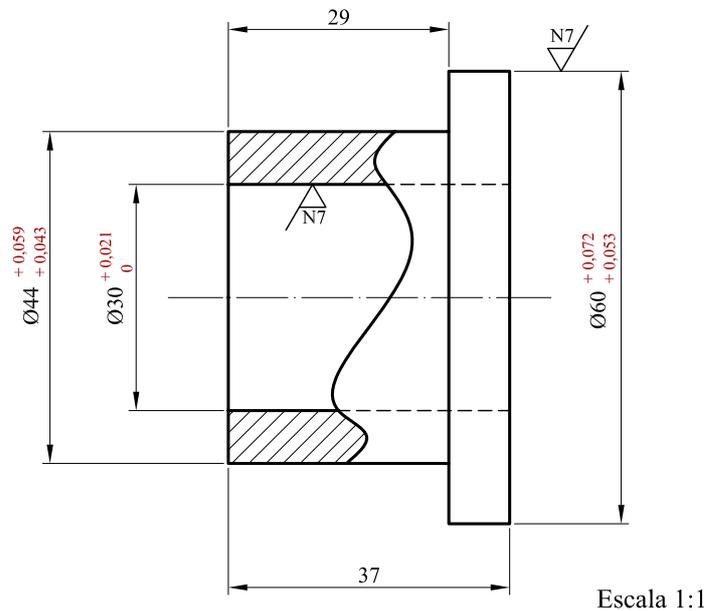


ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 36.4
Nome	RESOLVIDO			Título
Número	Turma	Data	BOMBA DE PISTÃO Desenho de Detalhes	
				Nota
				Prof. Clélio

14 $\nabla_{N9}/(\nabla_{N7})$

2ª Questão - Desenhar e cotar o item 14, utilizando escala e em uma única vista.

Colocar as tolerâncias e os símbolos de acabamento superficial.



3 Questão - Identificar e descrever as soldas utilizadas nos desenhos.



Solda angular, aplicada na junção dos itens 2 e 8, com cordão de 8 mm executada nos dois lados do item 2

4ª Questão - Calcular os afastamentos necessários para o ajuste indicado entre os itens 1 e 12. AJUSTE H6 / h5 PARA DIMENSÃO DE 24 mm

Na Tabela temos h6 para $\text{Ø} 24$ $_{-0,013}^0$ Invertendo os sinais, temos: Para H6 $\text{Ø} 24$ $^{+0,013}_0$

Calculando $\text{Ø}24$ h5:

Grupo de dimensões de 18 a 30 $\rightarrow \sqrt{18 \times 30} \rightarrow MG = 23,238$

$i = 0,45 \sqrt[3]{23,238} + (23,238 \times 0,001) = 1,307$

$IT 5 = 7i \approx 9 \mu \rightarrow \text{Ø}24$ h5 = $\text{Ø}24$ $_{-0,009}^0$

5ª Questão - Colocar tolerancias de posição para garantir uma variação máxima de 0,015 na coaxialidade dos eixos do item 16 bem como, na perpendicularidade nos acoplamentos dos itens 16 e 17

ITEM	DENOMINAÇÃO	Qdade.	MATERIAL	DIMENSÕES
CURSO DE DESENHO TÉCNICO				TC/TS - 36.5
Nome	RESOLVIDO			Título
Número	Turma	Data	BOMBA DE PISTÃO Desenho de Detalhes	
				Nota
				Prof. Clélio