



COLÉGIO PEDRO II - U. E. ENGENHO NOVO II

EXERCÍCIOS DE DESENHO - 2º ANO

Prof.s.: Jorge Marcelo, Soraya Soizar e Rodrigo Rafael



NOME:

NÚMERO:

TURMA:

Cuidado com o traçado pois será avaliado na prova.

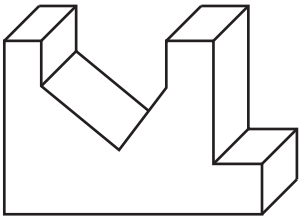
1ª QUESTÃO

Identifique os sistemas de projeção das imagens abaixo de acordo com a legenda:

1 - Cônico

2 - Cilíndrico oblíquo

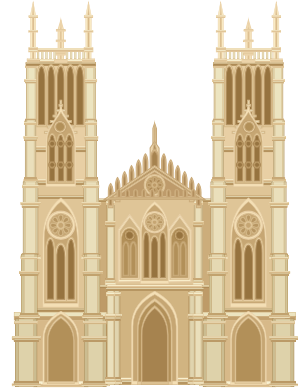
3 - Cilíndrico ortogonal



(2)



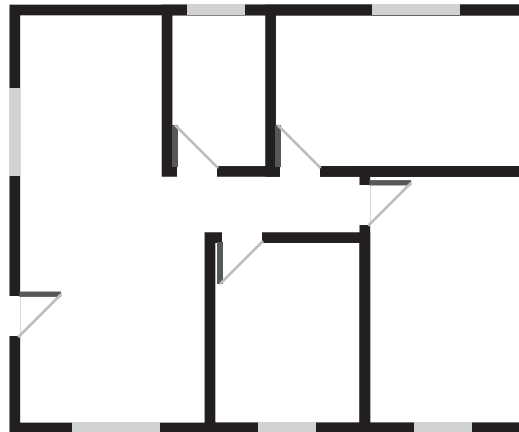
(1)



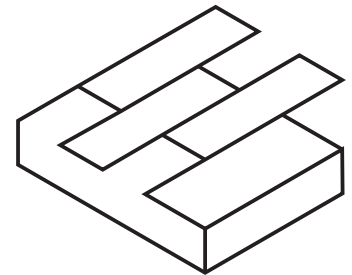
(3)



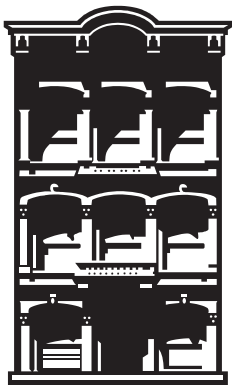
(1)



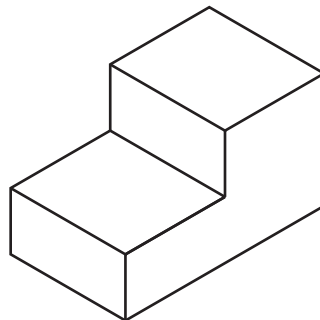
(3)



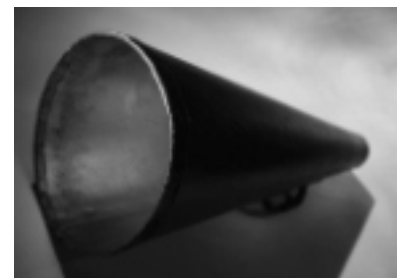
(3)



(3)



(3)

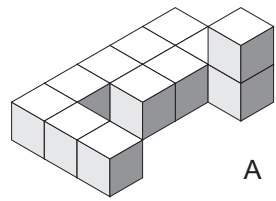


(1)

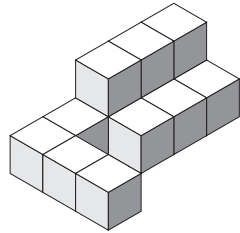


2ª QUESTÃO

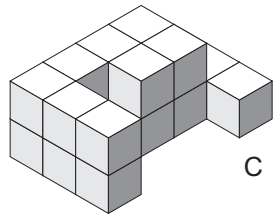
Dadas as peças abaixo, assinale as vistas corretas correspondentes:



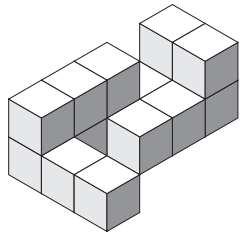
A



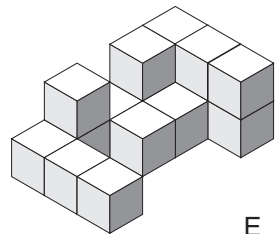
B



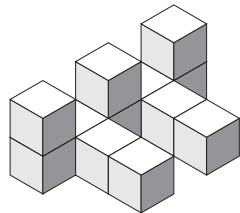
C



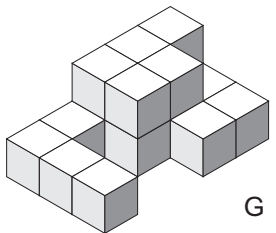
D



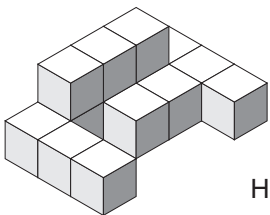
E



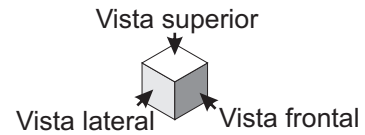
F



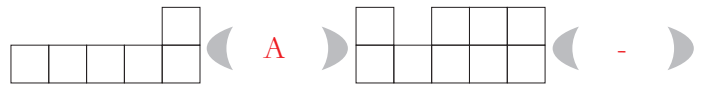
G



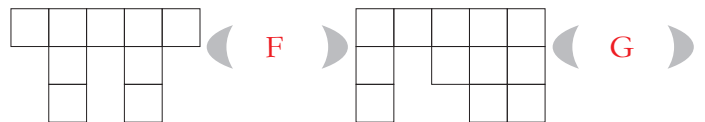
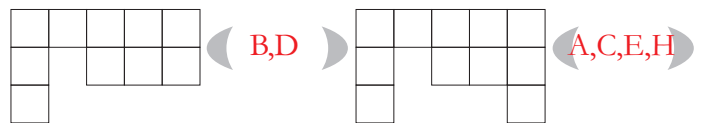
H



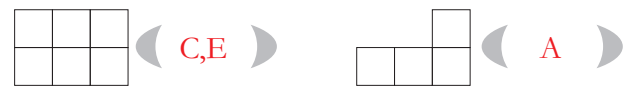
Vista frontal



Vista superior



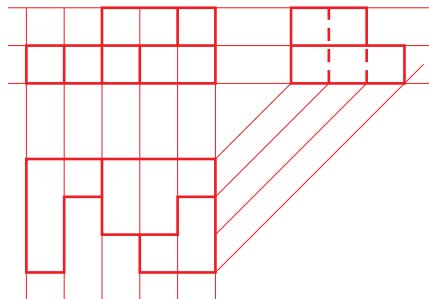
Vista lateral



3ª QUESTÃO

Desenhe as vistas ortográficas de uma das peças da questão anterior, sabendo que cada cubo tem 5mm de aresta.

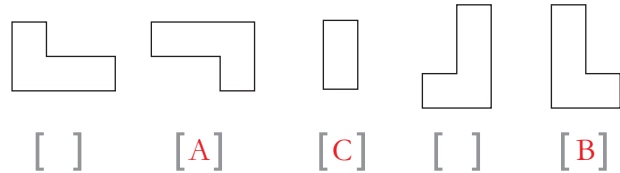
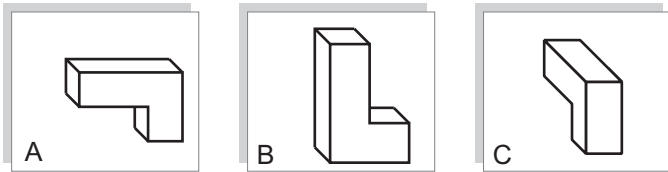
G



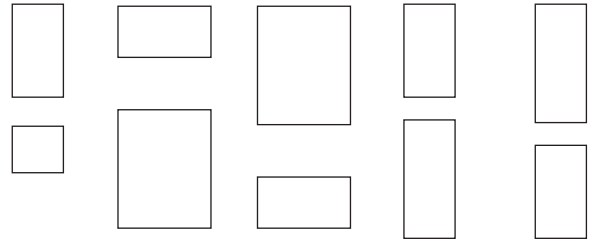
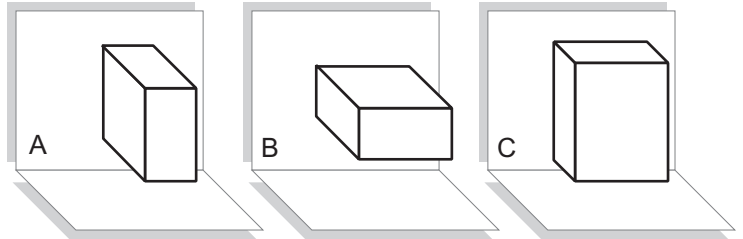


4ª QUESTÃO

Corresponda as projeções às peças:



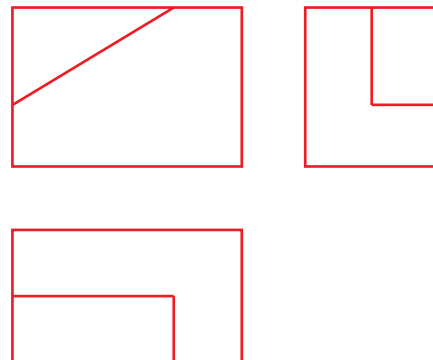
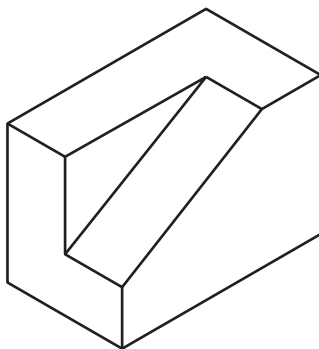
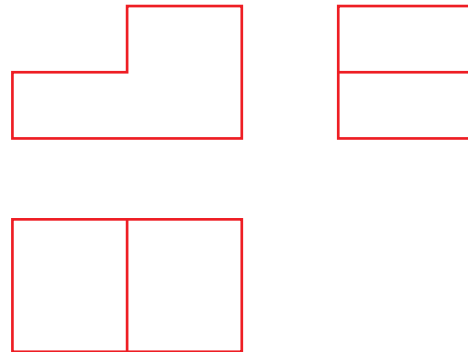
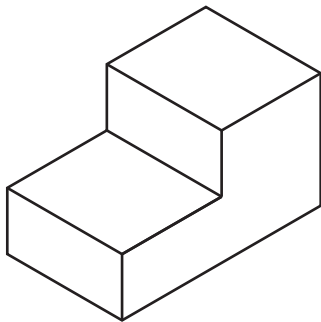
[] [A] [C] [] [B]

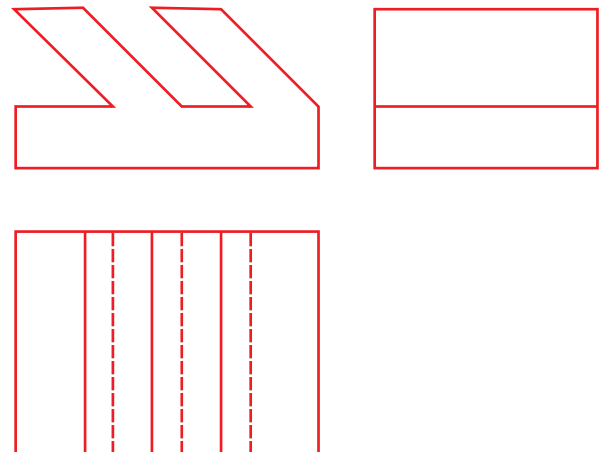
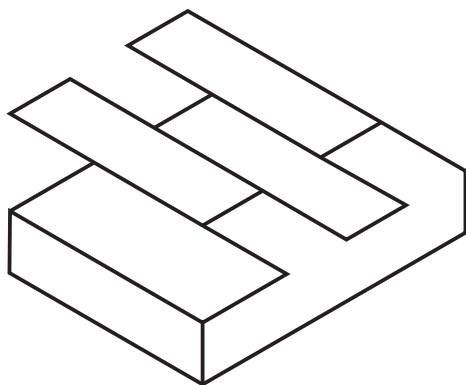
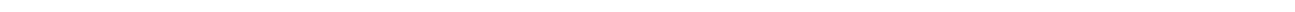
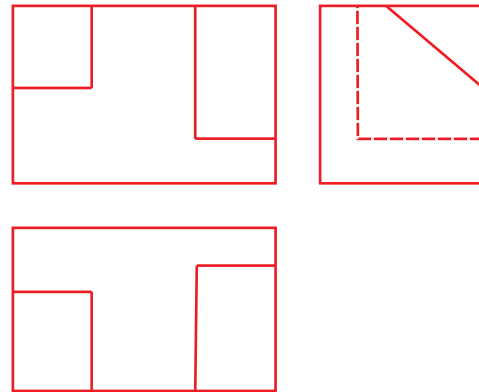
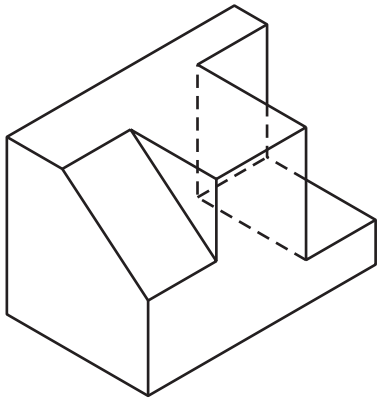
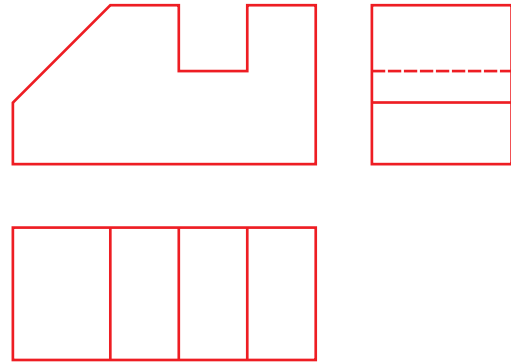
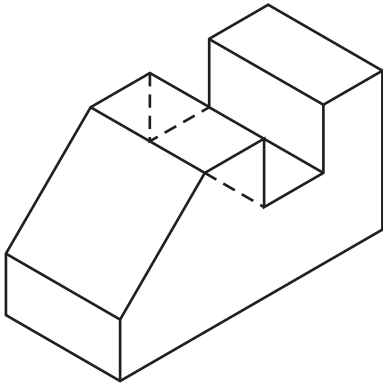


[] [B] [C] [A] []

5ª QUESTÃO

Represente as três principais vistas ortográficas das peças abaixo:



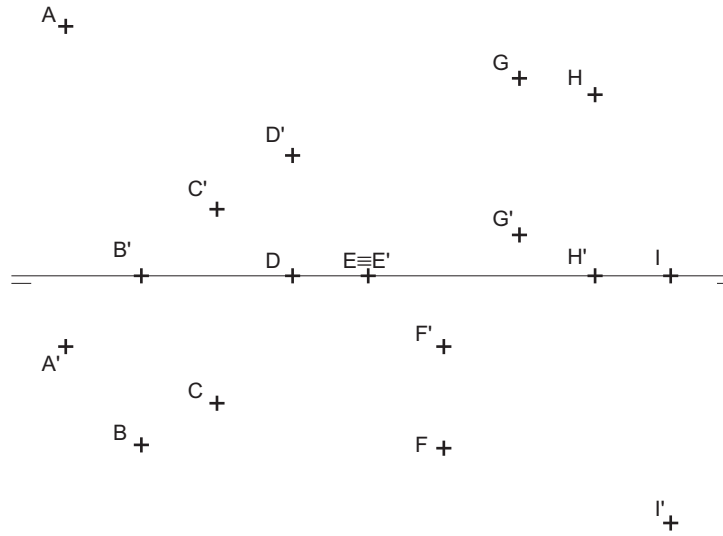




6ª QUESTÃO

Relacione os pontos com sua posição:

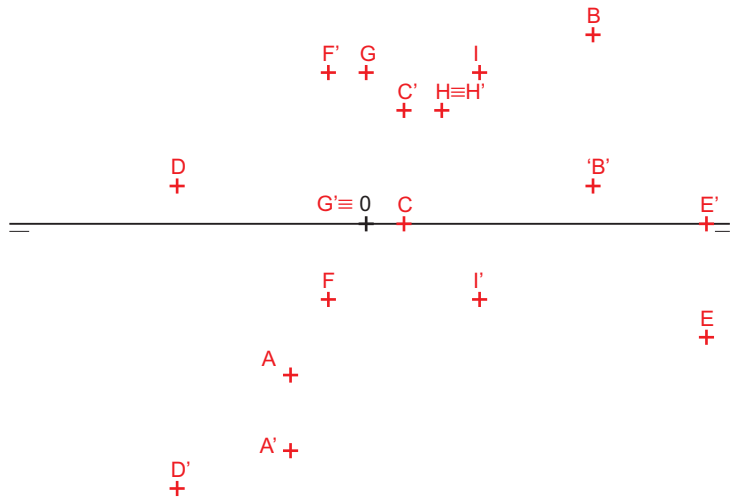
- | | | | | | |
|-------|-------|---------|-------|---------|-------|
| (1ºD) | (C) | (4ºD) | (F) | (πp) | (H) |
| (2ºD) | (G) | (ππ') | (E) | (π's) | (D) |
| (3ºD) | (A) | (πa) | (B) | (π'i) | (I) |



7ª QUESTÃO

Represente os pontos por suas projeções dadas suas coordenadas:

- | | | |
|-----------------|------------------|-----------------|
| (A)[-10;20;-30] | (D)[-25;-05;-35] | (G)[00;-20;00] |
| (B)[30;-25;05] | (E)[45;15;00] | (H)[10;-15;15] |
| (C)[05;00;15] | (F)[-05;10;20] | (I)[15;-20;-10] |

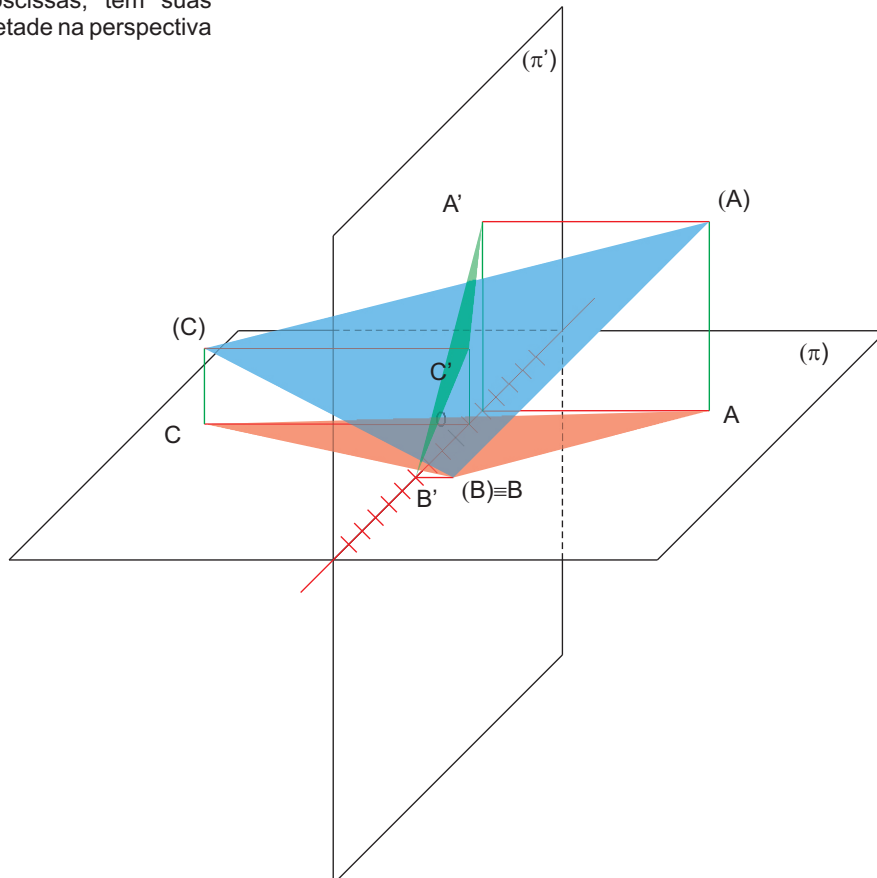


8ª QUESTÃO

Represente os triângulos, e suas projeções, dadas as coordenadas de seus vértices, como no exemplo dado.

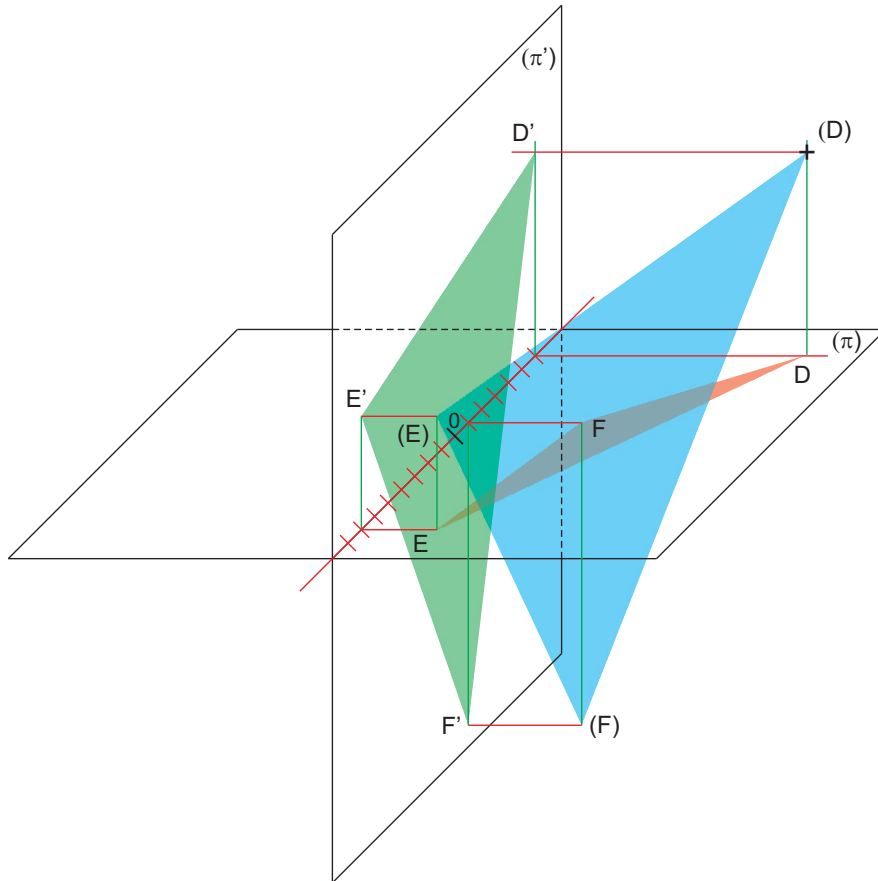
Obs.: O eixo das abscissas, tem suas medidas reduzidas à metade na perspectiva cavaleira representada.

- Δ(A)(B)(C)
 (A)[10;30;25]
 (B)[-15;05;00]
 (C)[05;-35;10]





$\Delta(D)(E)(F)$
 $(D)[30;?;?]$
 $(E)[-35;10;15]$
 $(F)[00;15;40]$



$\Delta(G)(H)(I)$
 $(G)[-25;?;?]$
 $(H) \in (\pi_p)$
 $(I)[-30;-27;-40]$

