

**COLÉGIO DE APLICAÇÃO DOM HÉLDER CÂMARA**

EXERCÍCIO COMPLEMENTAR III

DISCIPLINA: MATEMÁTICA

PROFESSOR(A): EDNA FLAUZINO GARCIA MARQUES

ALUNO(A): _____

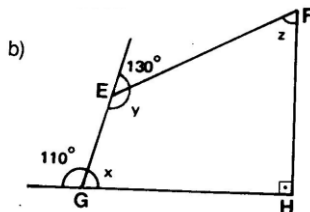
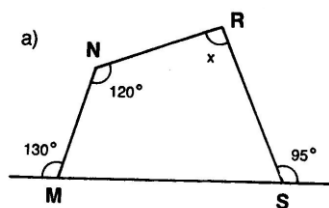
DATA: ____/____/____



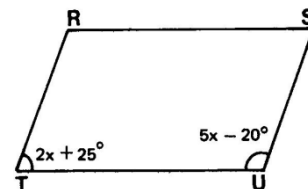
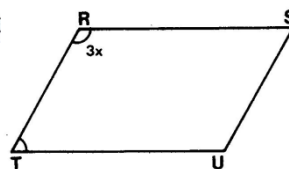
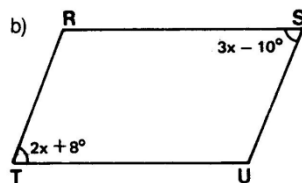
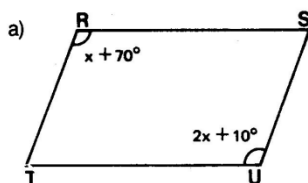
SÉRIE: 8º ANO

Data para entrega: DATA: ____/____/____

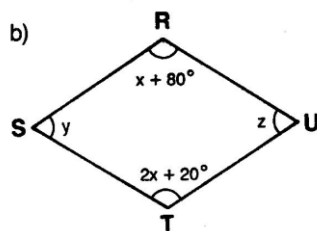
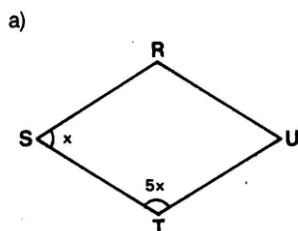
1. Calcule as medidas dos ângulos indicados com letras:



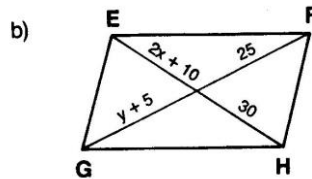
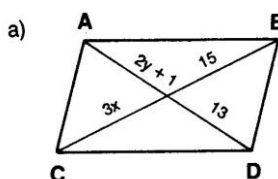
2. Calcule o valor de x nos paralelogramos:



3. Calcule o valor das letras nos losangos:

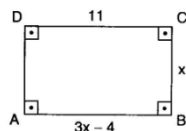


4. Sabendo que as diagonais de um paralelogramo se encontram no ponto médio, determine x e y:

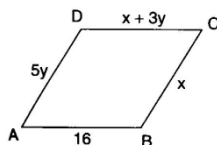


5. Dê o perímetro dos polígonos abaixo:

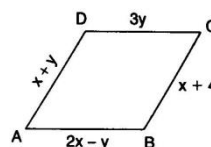
a) ABCD é um retângulo.



b) ABCD é um paralelogramo.



c) ABCD é um losango.

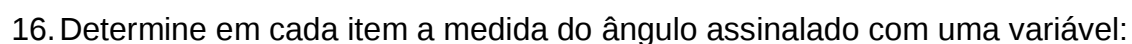
6. As soluções das equações $7x - 2 = -16$ e $x + 6 = 8$

- a) São iguais c) são ambas positivas
b) Tem sinais contrários d) são ambas negativas

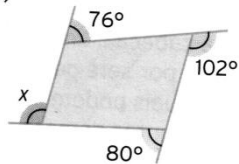
7. A soma das raízes das equações $3x - 6 = 0$ e $-5x - 10 = 0$ é:

- a) 4 b) 2 c) 1 d) 0

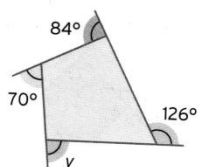
15. Calcule as medidas dos ângulos internos desconhecidos nos quadriláteros abaixo:



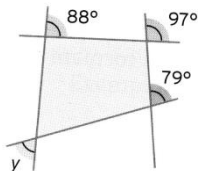
a)



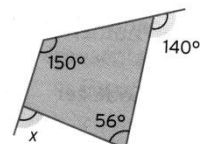
b)



c)

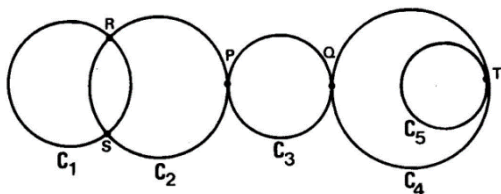


d)



17. Sabendo que um quadrilátero possui ângulos internos de medidas iguais a x , $x + 32^\circ$, $x - 14^\circ$ e $3x$, calcule o valor de x .

18. Observe a figura e responda:



a) Qual a posição relativa entre as circunferências C_1 e C_2 ?

b) Qual a posição relativa entre as circunferências C_2 e C_3 ?

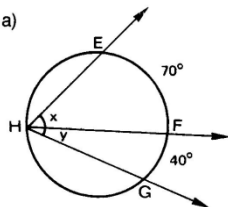
c) Qual a posição relativa entre as circunferências C_1 e C_3 ?

d) Qual a posição relativa entre as circunferências C_3 e C_4 ?

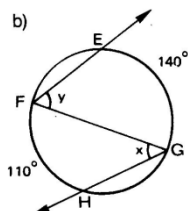
e) Qual a posição relativa entre as circunferências C_3 e C_5 ?

19. Calcular a medida dos ângulos indicados nas figuras:

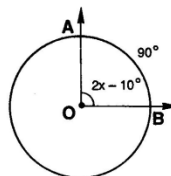
a)



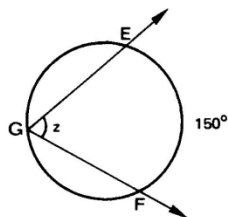
b)



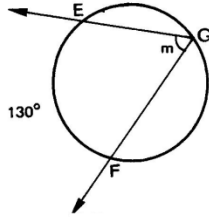
e)



c)



d)



f)

