

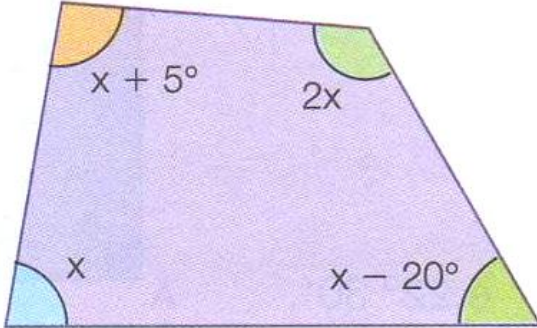
Aluno \_\_\_\_\_

Turma \_\_\_\_\_

**Lista de Exercícios - 7ª Série - P2 3º Bimestre**

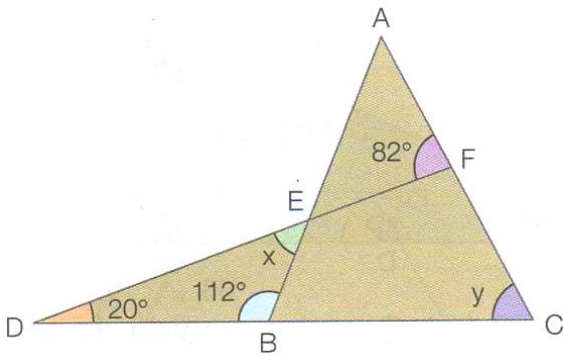


1. Determine o valor de  $x$  no quadrilátero:

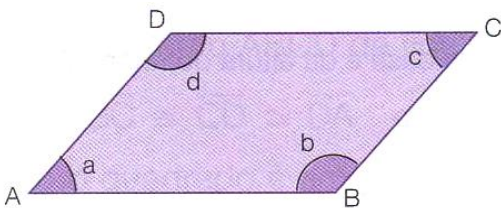


Resposta: \_\_\_\_\_

2. Encontre o valor de  $x$ :

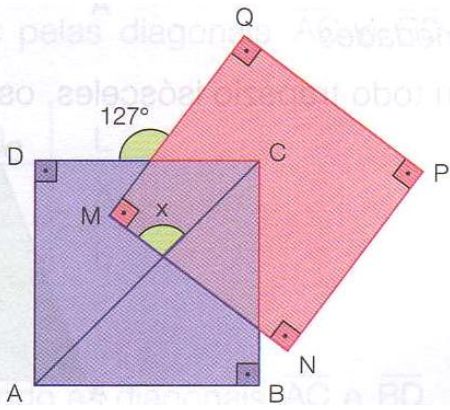


3. No paralelogramo ABCD, temos  $a = 3x$  e  $c = \frac{x}{2} + 40^\circ$ . Determine as medidas  $a$ ,  $b$ ,  $c$ , e  $d$  dos ângulos internos desse paralelogramo.

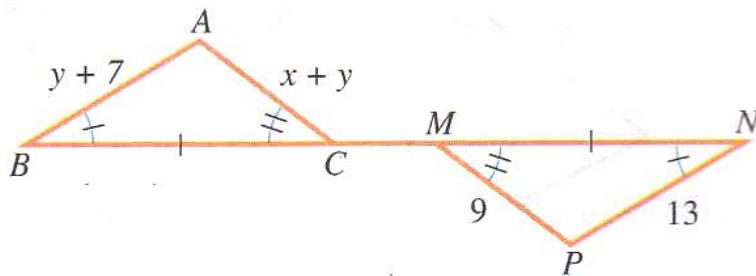


Resposta:  $a =$  \_\_\_\_\_  $b =$  \_\_\_\_\_  $c =$  \_\_\_\_\_  $d =$  \_\_\_\_\_

4. No desenho a seguir, ABCD e MNPQ são quadrados. Qual é o valor de  $x$ ?



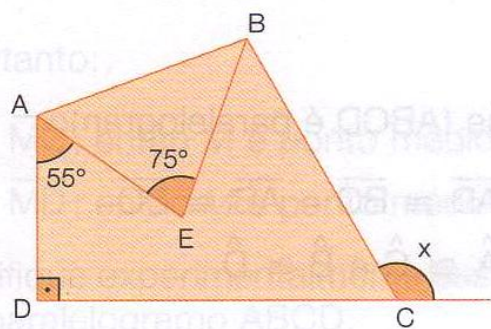
5. Verifique se os triângulos a seguir são congruentes, identificando o caso de congruência. Em caso afirmativo, determine as medidas de  $x$  e  $y$ .



Caso: \_\_\_\_\_  $x =$  \_\_\_\_\_  $y =$  \_\_\_\_\_

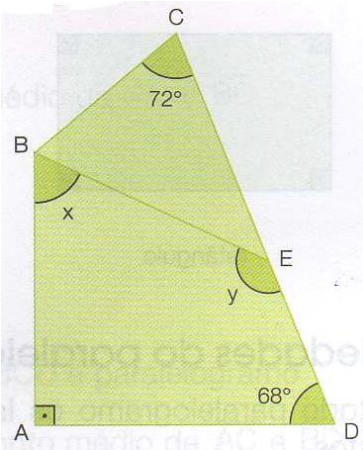
6. Observe as figuras e as informações dadas e encontre os valores desconhecidos:

a)  $\overline{AE}$  e  $\overline{BE}$  são bissetrizes dos ângulos  $\hat{A}$  e  $\hat{B}$ , respectivamente



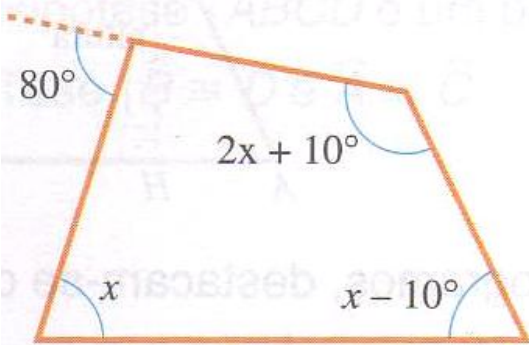
$x =$  \_\_\_\_\_

b)  $\overline{BE}$  é bissetriz de  $\widehat{ABC}$

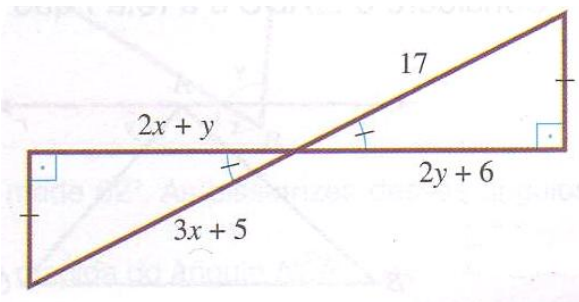


$x =$  \_\_\_\_\_  $y =$  \_\_\_\_\_

7. Determine o valor de  $x$  no quadrilátero:



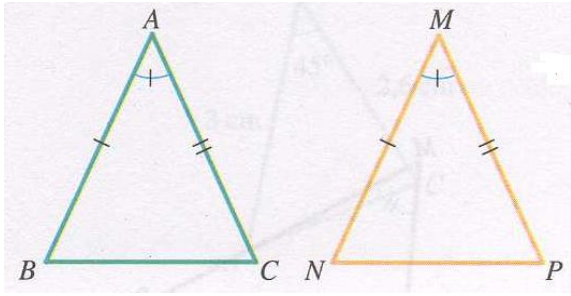
8. Verifique se os triângulos são congruentes, indicando o caso de congruência. Em caso afirmativo, encontre os valores de  $x$  e  $y$ .



Caso: \_\_\_\_\_  $x =$  \_\_\_\_\_  $y =$  \_\_\_\_\_

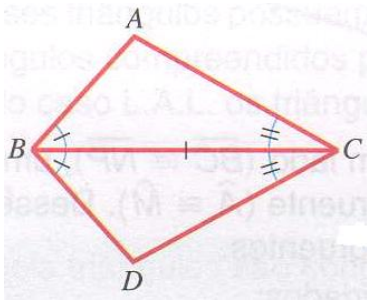
9. Indique os casos de congruência de triângulos.

a)



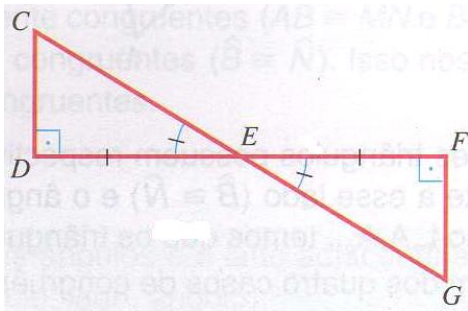
Caso: \_\_\_\_\_

b)



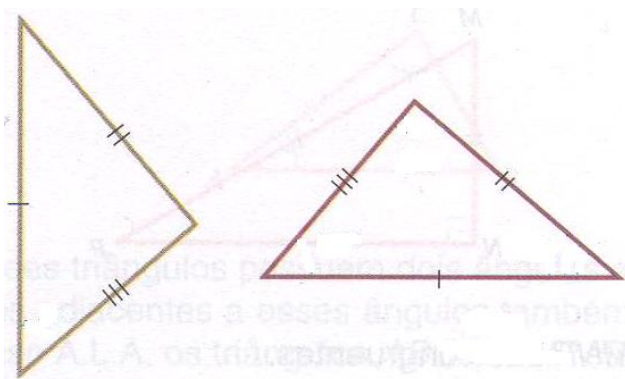
Caso: \_\_\_\_\_

c)



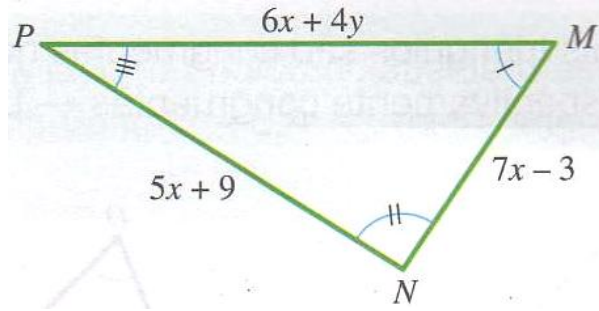
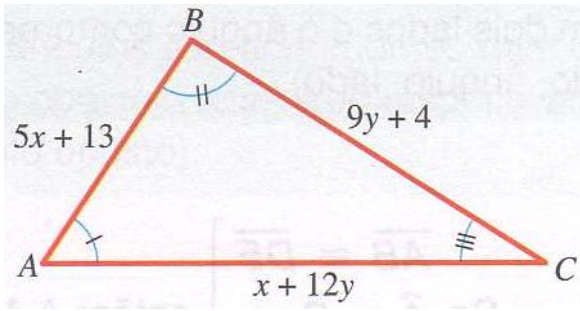
Caso: \_\_\_\_\_

d)

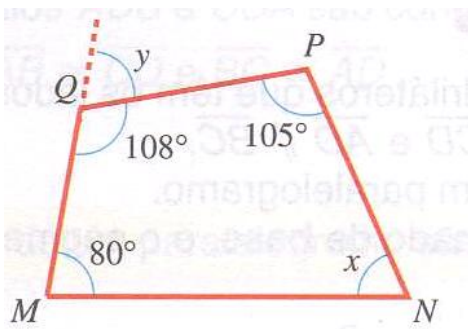


Caso: \_\_\_\_\_

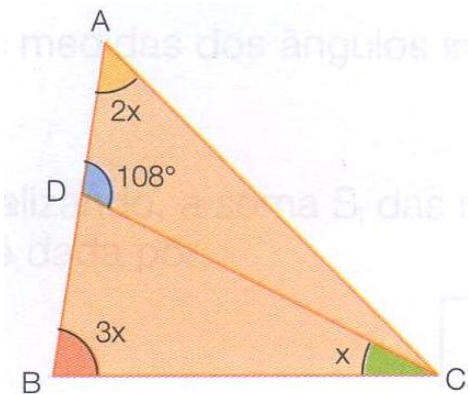
10. Sabendo que o triângulo ABC é congruente ao triângulo MNP, calcule o valor de x e y.



11. Determine a medida de x e y.



12. Determine as medidas de x, y e z.



13. Na figura, o triângulo ADE é equilátero. Determine as medidas a, b e c dos ângulos internos do triângulo isósceles ABC.

