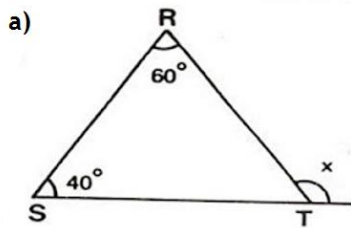


CORREÇÃO

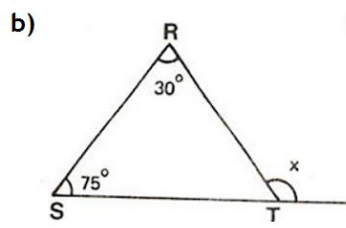
EXERCÍCIOS

1) Determine a medida do ângulo externo indicado em cada triângulo:



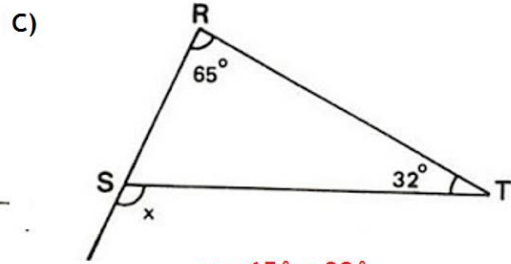
$$x = 40^\circ + 60^\circ$$

$$x = 100^\circ$$



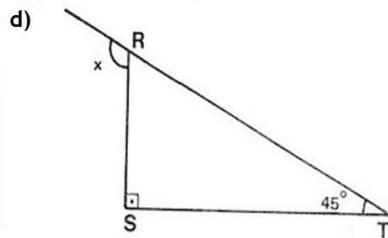
$$x = 75^\circ + 30^\circ$$

$$x = 105^\circ$$



$$x = 65^\circ + 32^\circ$$

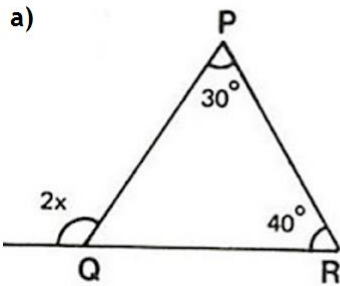
$$x = 97^\circ$$



$$x = 90^\circ + 45^\circ$$

$$x = 135^\circ$$

2- calcule o valor de x nos triângulos dados:

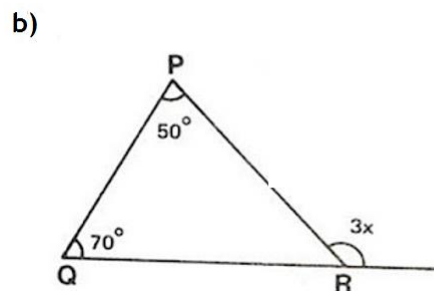


$$2x = 30^\circ + 40^\circ$$

$$2x = 70^\circ$$

$$x = \frac{70^\circ}{2}$$

$$x = 35^\circ$$



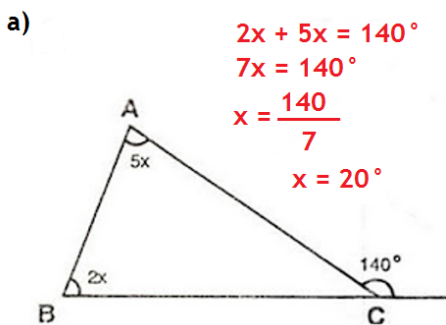
$$3x = 50^\circ + 70^\circ$$

$$3x = 120^\circ$$

$$x = \frac{120^\circ}{3}$$

$$x = 40^\circ$$

4) Calcule o valor de x nos triângulos dados:

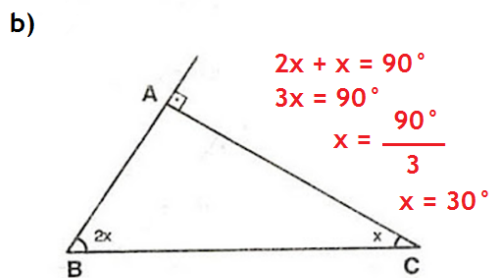


$$2x + 5x = 140^\circ$$

$$7x = 140^\circ$$

$$x = \frac{140}{7}$$

$$x = 20^\circ$$



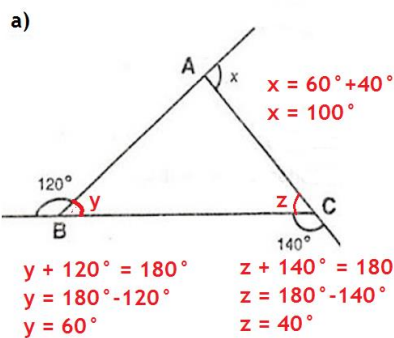
$$2x + x = 90^\circ$$

$$3x = 90^\circ$$

$$x = \frac{90^\circ}{3}$$

$$x = 30^\circ$$

5 - Calcule o valor de x:



$$x = 60^\circ + 40^\circ$$

$$x = 100^\circ$$

$$y + 120^\circ = 180^\circ$$

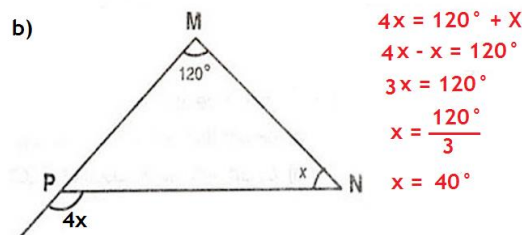
$$y = 180^\circ - 120^\circ$$

$$y = 60^\circ$$

$$z + 140^\circ = 180^\circ$$

$$z = 180^\circ - 140^\circ$$

$$z = 40^\circ$$



$$4x = 120^\circ + x$$

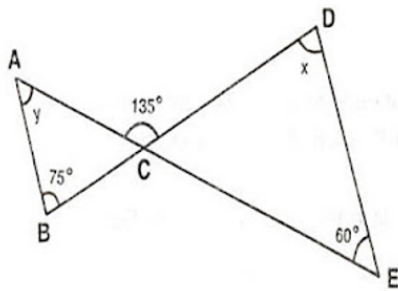
$$4x - x = 120^\circ$$

$$3x = 120^\circ$$

$$x = \frac{120^\circ}{3}$$

$$x = 40^\circ$$

6 - Calcule x e y:

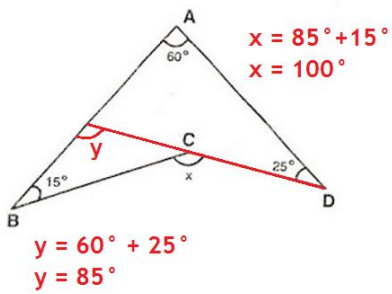


$$\begin{aligned}y + 75^\circ &= 135^\circ \\y &= 135^\circ - 75^\circ \\y &= 60^\circ\end{aligned}$$

$$\begin{aligned}x + 60^\circ &= 135^\circ \\x &= 135^\circ - 60^\circ \\x &= 75^\circ\end{aligned}$$

7 - Calcule x:

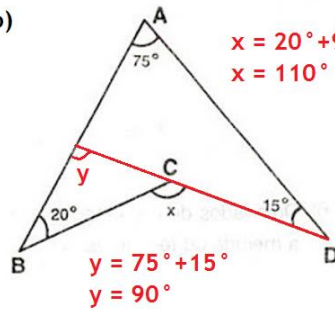
a)



$$\begin{aligned}x &= 85^\circ + 15^\circ \\x &= 100^\circ\end{aligned}$$

$$\begin{aligned}y &= 60^\circ + 25^\circ \\y &= 85^\circ\end{aligned}$$

b)



$$\begin{aligned}x &= 20^\circ + 90^\circ \\x &= 110^\circ\end{aligned}$$

$$\begin{aligned}y &= 75^\circ + 15^\circ \\y &= 90^\circ\end{aligned}$$