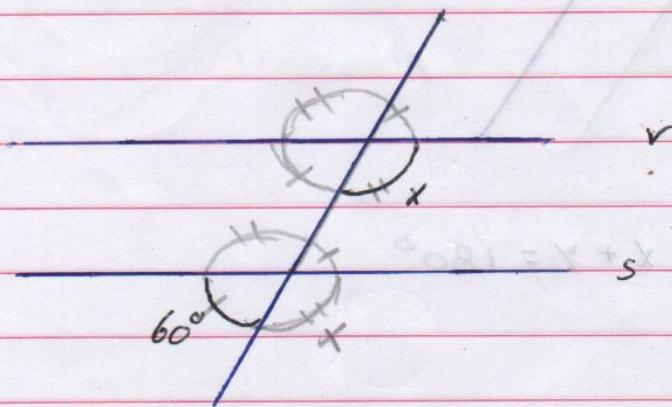


Beatriz Bastos Borges N°03 CT II 350

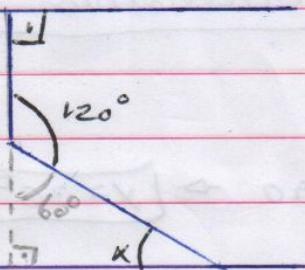
Tarefa Básica.

1.



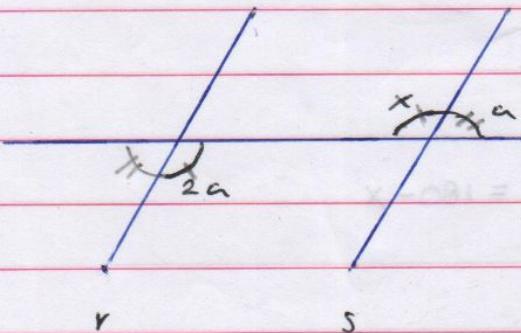
$$x = 180 - 60 \Rightarrow \boxed{x = 120^\circ} \quad [\text{Alternativa C}]$$

2.



$$x = 180 - 150 \Rightarrow \boxed{x = 30^\circ} \quad [\text{Alternativa B}]$$

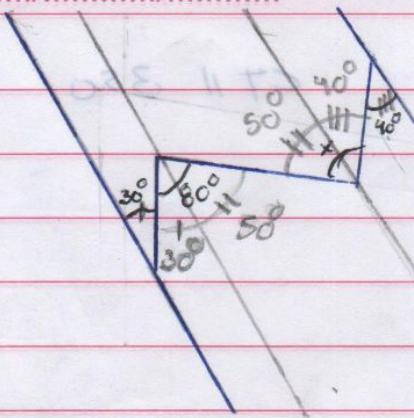
3.



$$2a + a = 180 \Rightarrow a = \frac{180}{3} \Rightarrow a = 60^\circ$$

$$x = 2 \cdot 60 \Rightarrow \boxed{x = 120^\circ} \quad [\text{Alternativa D}]$$

4.



$$x = 50 + 40 \rightarrow \boxed{x = 90^\circ}$$

5. $x = \frac{5y}{4}$

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

$$\frac{5y}{4} + y = 180 \rightarrow \frac{9y}{4} = 180 \rightarrow y = 180 \cdot \frac{4}{9} \rightarrow y = 80^\circ$$

$$x = \frac{5 \cdot 80}{4} \rightarrow \boxed{x = 100^\circ} \quad \boxed{\text{[Alternative A]}}$$

6. $x = \frac{90 - x}{2} \rightarrow 2x = 90 - x \rightarrow 3x = 90 \rightarrow \boxed{x = 30^\circ}$

[Alternative A]

7. $3(90 - x) = \frac{180 - x}{3}$

$$x = 120 \rightarrow \boxed{x = 60}$$

$$270 - 3x = \frac{180 - x}{3} \rightarrow 810 - 9x = 180 - x$$

$$8x = 630 \rightarrow x = 78,75 \rightarrow 78^\circ 45'$$

[Alternative C]