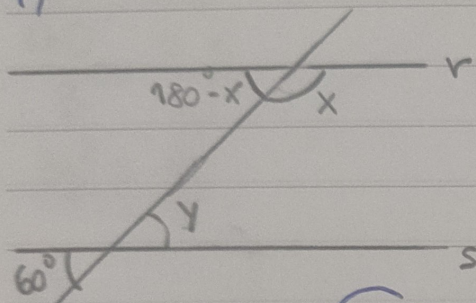


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Tarefa Básica.

1)



$180^\circ - x$ e y são CONGRUENTES
por causa da regra do "Z"

60° e y são CONGRUENTES

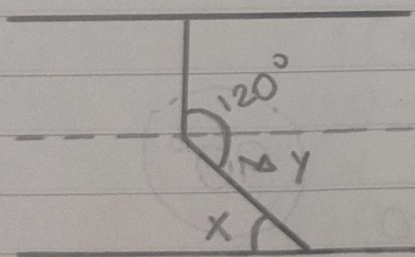
(C)

$$60 = 180 - x$$

$$x = 180 - 60$$

$$\underline{\underline{x = 120^\circ}}$$

2)



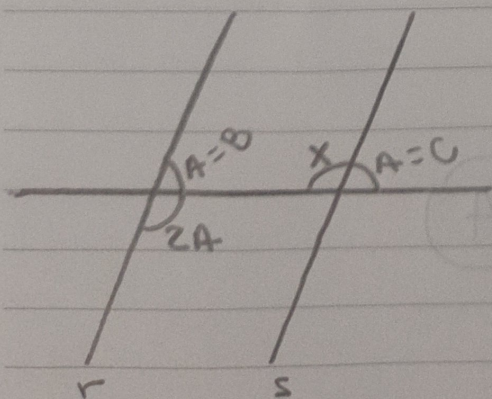
$r \parallel s$

$$y = 120 - 90 = 30^\circ$$

(B)

x e y são CONGRUENTES
por causa da regra
do "Z", portanto $\underline{\underline{x = 30^\circ}}$

3)



A (que eu chamei de B) e A (que eu chamei de C) são CONGRUENTES

___/___/___

$$2A + A = 180$$

$$A = \frac{180}{3} = 60^\circ$$

$$A + x = 180$$

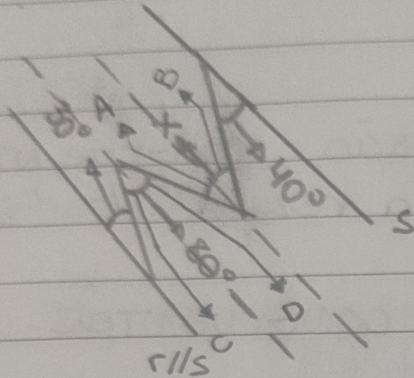
$$60 + x = 180$$

$$x = 180 - 60$$

$$x = 120^\circ$$

(D)

4)



30 e C SÃO CONGRUENTES
por causa da regra do
"Z".

$$D = 80 - C$$

$$D = 80 - 30$$

$$D = 50^\circ$$

A e D SÃO CONGRUENTES
por causa da regra do
"Z". Então $A = 50^\circ$

B e 40 SÃO CONGRUENTES
por causa da regra do
"Z".

$$x = A + B$$

$$x = 50 + 40$$

$$x = 90^\circ$$

(90°)

5)

Suplemento é $(180^\circ - x)$

$$(180 - x) \frac{5}{4} = x$$

$$x = \frac{900}{9}$$

$$5(180 - x) = 4x$$

$$900 - 5x = 4x$$

$$x = 100^\circ$$

(A)

$$900 = 9x$$

6)

$$\text{Complemento} = 90 - x$$

$$\frac{90 - x}{x} = x$$

x

$$90 - x = 2x$$

$$90 = 3x$$

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

3

$$\underline{\underline{30^\circ = x}}$$

(A)

7)

$$\text{complemento} = 90^\circ - x$$

$$\text{suplemento} = 180^\circ - x$$

$$3. (90 - x) = \frac{1}{3} (180 - x)$$

~~X~~ 3

$$3. 3 (90 - x) = 1 (180 - x)$$

$$9 (90 - x) = 180 - x$$

$$810 - 9x = 180 - x$$

$$810 - 180 = -x + 9x$$

$$\frac{630}{8} = x$$

8

$$\underline{\underline{x = 78^\circ 45'}}$$

(E)

$$630 \overline{) 8}$$

$$56 \quad 78^\circ$$

$$70$$

$$64$$

$$6 \cdot 60 \rightarrow$$

$$360 \overline{) 8}$$

$$32 \quad 45'$$

$$40$$

$$0$$