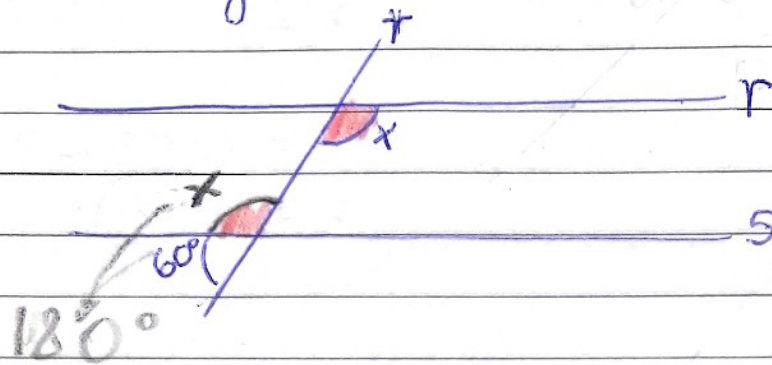


Tarefa básica - Geometria Plana - CT11317

01)



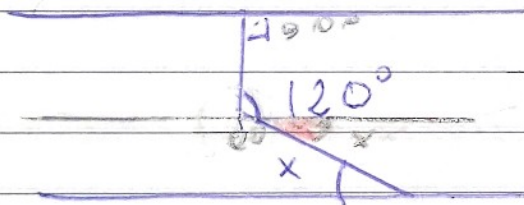
$$x + 60^\circ = 180^\circ$$

$$x = 180^\circ - 60^\circ$$

$$x = 120^\circ$$

(C)

02)



$$180^\circ - 120^\circ = 60^\circ$$

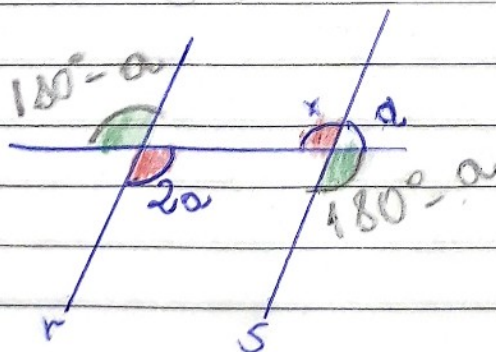
$$x = 180^\circ - (60^\circ + 90^\circ)$$

$$x = 180^\circ - 150^\circ$$

$$x = 30^\circ$$

(B)

03)



$$180^\circ - a = 2a$$

$$180^\circ = 3a$$

$$a = \frac{180^\circ}{3}$$

$$a = 60^\circ$$

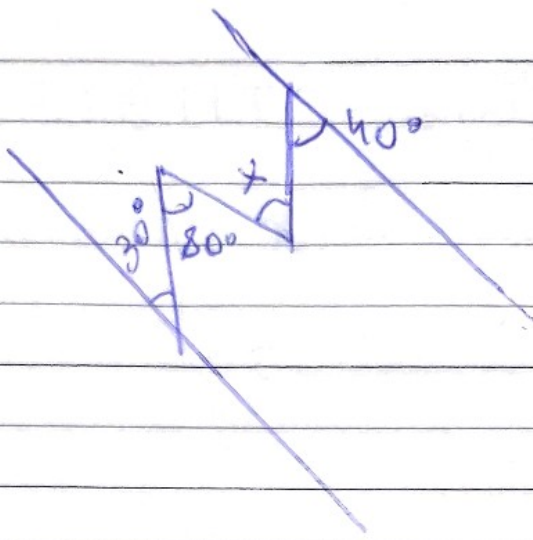
$$2a = x$$

$$2 \cdot 60^\circ = x$$

$$x = 120^\circ$$

(D)

04-



$$x + 30^\circ = 40^\circ + 80^\circ$$

$$x = 120^\circ - 30^\circ$$

$$x = 90^\circ$$

05-

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

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

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

$$4x = 900 - 5x$$

$$9x = 900$$

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

$$x = 100^\circ$$

06-

$$x = \frac{90^\circ - x}{2}$$

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

$$3x = 90^\circ$$

$$x = 90^\circ / 3$$

$$x = 30^\circ$$

Q7) Complements $x = 90^\circ - x$
Supplements $x = 180^\circ - x$

$$3(90^\circ - x) = 180^\circ - x / 3$$

$$270^\circ - 3x = 180^\circ - x / 3$$

$$810^\circ - 9x = 180^\circ - x$$

$$8x = 810^\circ - 180^\circ$$

$$8x = 630^\circ$$

$$x = 630^\circ / 8$$

$$x = 78, 75^\circ$$