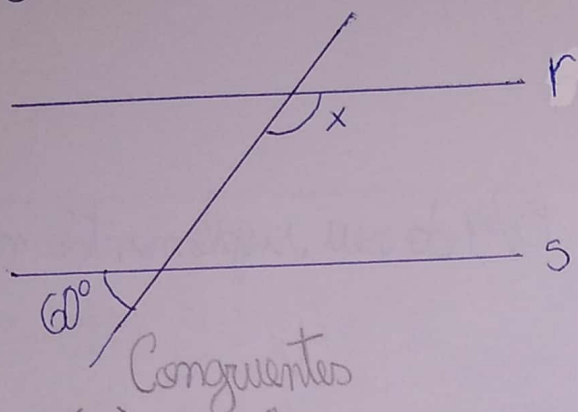


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Tarefa Básica - Geometria Plana

01. Sabendo que as retas r e s são paralelas, o valor de x na figura é:



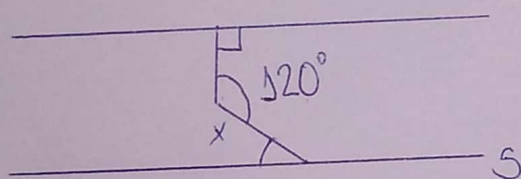
$$x + 60^\circ = 180^\circ$$

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

$$x = \boxed{120^\circ} //$$

R: Letra (C) 120° .

02. Na figura, x vale:



$r // s$

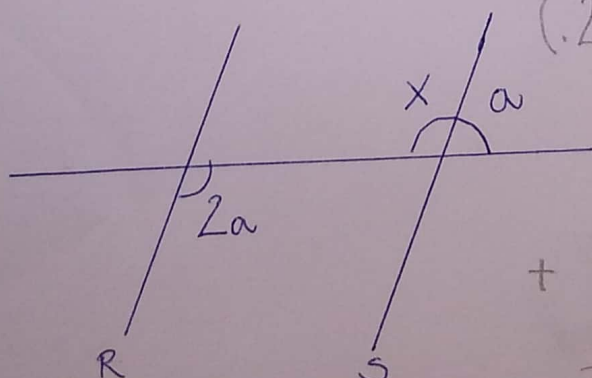
$$120^\circ = x + 90^\circ$$

$$x = 120^\circ - 90^\circ$$

$$x = \boxed{30^\circ} //$$

R: Letra (B) 30° .

03. Na figura, as retas r e s são paralelas. A medida do ângulo x é:



$$(2) \quad x + a = 180^\circ$$

$$x - 2a = 0$$

$$+ \quad 2x + 2a = 360^\circ$$

$$x - 2a = 0$$

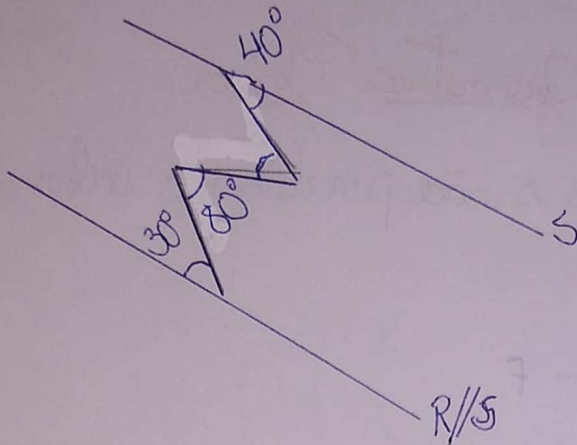
$$3x = 360^\circ$$

$$x = \frac{360}{3}$$

$$x = \boxed{120^\circ} //$$

R: Letra (D) 120° .

04. Se R/s. determine x na figura



$$\begin{aligned} x + 90^\circ &= 180^\circ \\ x &= 180^\circ - 90^\circ \\ x &= \boxed{90^\circ} // \end{aligned}$$

R: 90°

05. (U.E. Ceará) - O ângulo igual a $\frac{5}{4}$ do seu suplemento mede:

$$\begin{aligned} 5 &= 180 - x \\ \frac{5}{4} \cdot 5 &= \frac{5}{4} \cdot 180 - x \end{aligned}$$

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

$$5x + 4x = 900$$

$$9x = 900$$

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

$$x = \boxed{100^\circ} //$$

R: Letra (A) 100°

06. (PUC-SP) - Um ângulo mede a metade do seu complemento. Então esse ângulo mede:

$$\begin{aligned} \text{Ângulo} &= x \\ \Rightarrow 2x &= 90 - x \end{aligned}$$

$$\Rightarrow 3x = 90$$

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

$$x = \boxed{30^\circ} //$$

$$C = 90 - x$$

$$\Rightarrow \frac{(90 - x)}{2} = x$$

R: Letra (A) 30°

13.09.21.

07. (UFES) - O triplo do complemento de um ângulo é igual à terça parte do suplemento desse ângulo med.^o

$$\frac{3C}{3} = \frac{3 \cdot (90 - X)}{3} \quad \frac{3 \cdot (90 - X)}{3} = \frac{180 - X}{3} \Rightarrow 9(90 - X) = 180 - X$$

$$\Rightarrow 810 - 9X = 180 - X \Rightarrow 630 = 8X$$

$$\begin{array}{l} 1^\circ \rightarrow 60' \\ 0,75 \rightarrow X \end{array} \quad X = 78^\circ 45'$$

$$\begin{array}{l} 1X = 60 \cdot 0,75 \\ X = 45' \end{array}$$

R.: $78^\circ 45'$