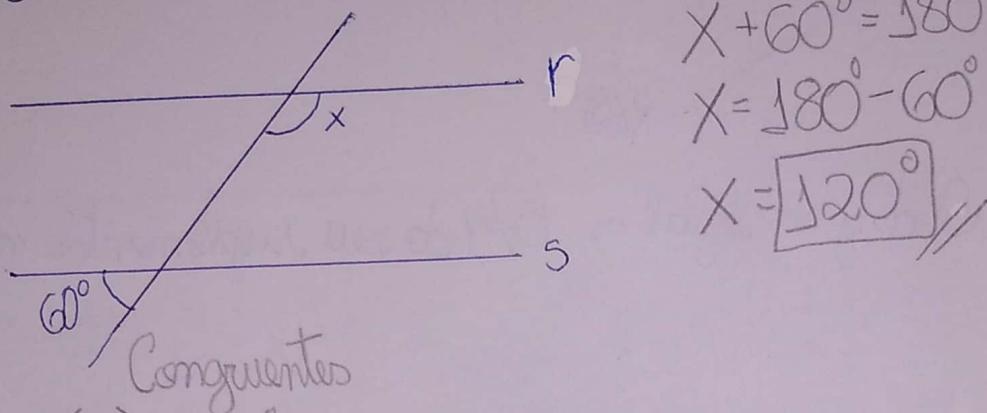


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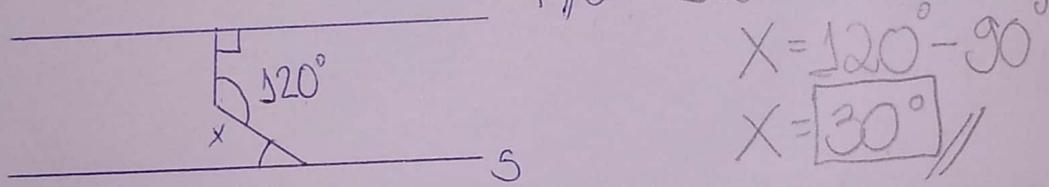
## Tarefas Básica - Geometria Plana

Q1. Sabendo que as retas  $r$  e  $s$  são paralelas, o valor de  $x$  na figura é:



R: Letra (C)  $120^\circ$ .

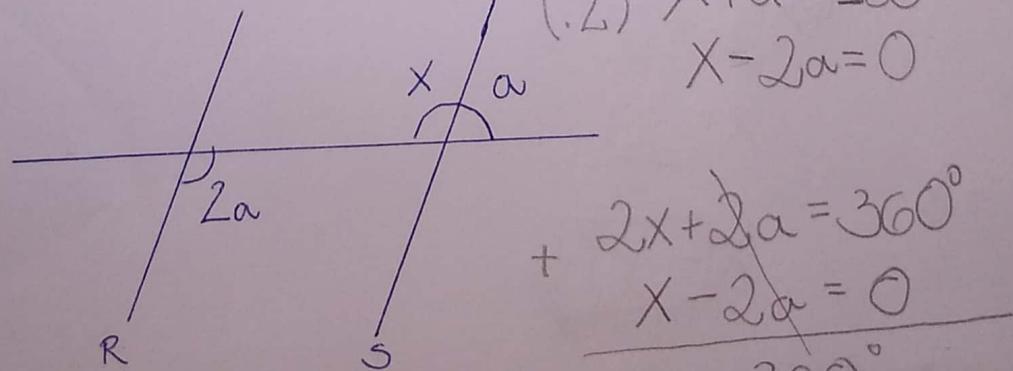
Q2. Na figura,  $x$  vale:



$$\begin{aligned} r/s \quad 120^\circ &= x + 90^\circ \\ x &= 120^\circ - 90^\circ \\ x &= 30^\circ // \end{aligned}$$

R: Letra (B)  $30^\circ$ .

Q3. Na figura, as retas  $r$  e  $s$  são paralelas. A medida do ângulo  $x$  é:

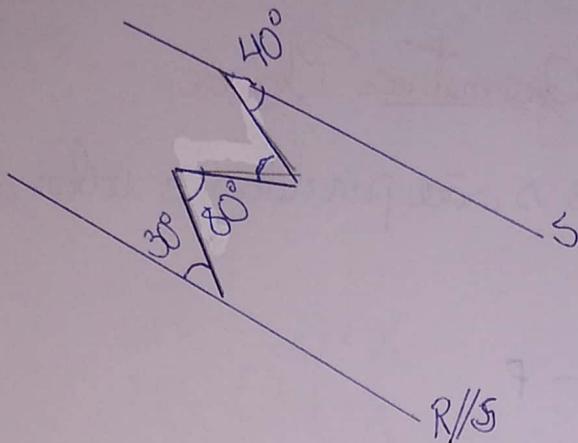


$$\begin{aligned} (.2) \quad x+a &= 180^\circ \\ x-2a &= 0 \\ \hline 2x+2a &= 360^\circ \\ x-2a &= 0 \\ \hline 3x &= 360^\circ \\ x &= \frac{360}{3} \end{aligned}$$

$$x = 120^\circ //$$

R: Letra (D)  $120^\circ$ .

04. Se  $R \parallel S$ , determine  $x$  na figura



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

$$R: 90^\circ$$

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

$$\begin{aligned}5 &= 180 - x & \frac{5(180-x)}{4} = x \Rightarrow 4x = 5 \cdot 180 - 5x \\ \frac{5}{4} &= \frac{5}{4} \cdot 180 - x & 5x + 4x = 900 \\ 5x &= 900 \\ x &= \frac{900}{5}\end{aligned}$$

$$x = 180^\circ$$

$$R: \text{Letra (A)} 180^\circ$$

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

$$\begin{aligned}\text{ângulo} &= x & \Rightarrow 2x = 90 - x \\ & & \Leftrightarrow 3x = 90 \\ C &= 90 - x & x = \frac{90}{3} \\ \Rightarrow \frac{(90-x)}{2} &= x & x = 30^\circ\end{aligned}$$

$$R: \text{Letra (A)} 30^\circ$$

13.09.21.

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

$$\frac{3G}{3} = \frac{3(90-X)}{3} \quad 3(90-X) = 180-X \Rightarrow \cancel{3}(90-\cancel{X}) = \cancel{3}180-\cancel{X}$$

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

$$\begin{array}{rcl} 1 & \xrightarrow{\hspace{1cm}} & 60^\circ \\ 0,75 & \xrightarrow{\hspace{1cm}} & X \end{array}$$

$$\begin{cases} X = 60,075 \\ X = 45^\circ \end{cases}$$

R: Letra (E)  $78^\circ 45'$