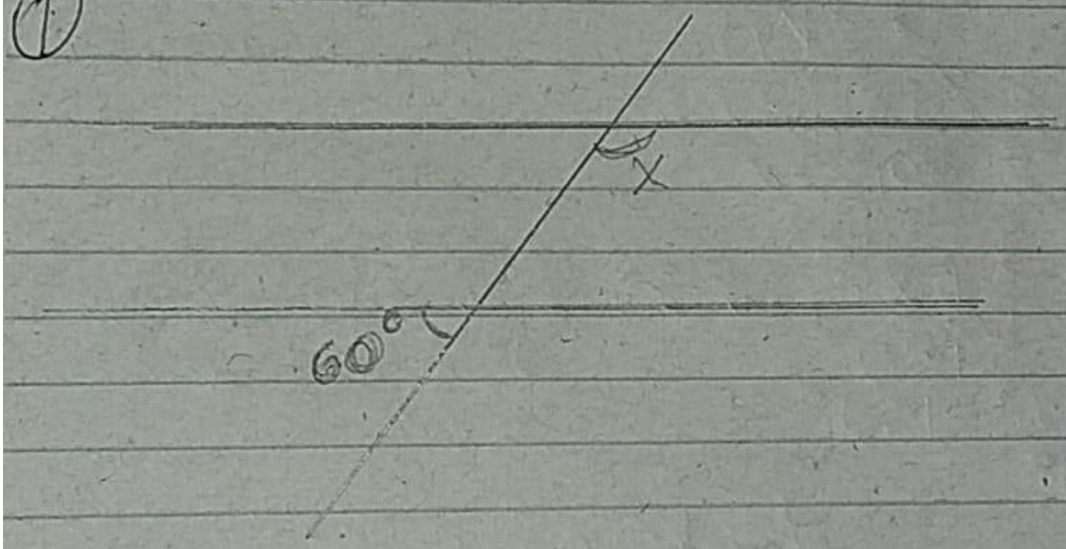
Nome: Arthur Hernandes Silva de Souza **CTII 350**

Geometria Plana - conceitos iniciais

Exercícios

1)



60° é congruente com 180° - x.

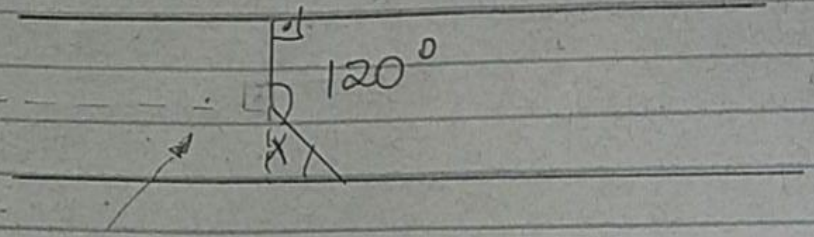
$180° - x = 60°$

$-x = -120°$

$x = 120°$

Letra c

②

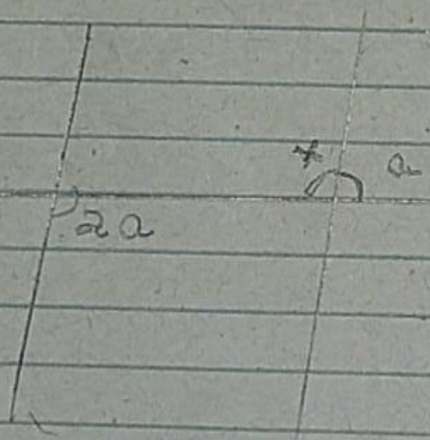


$180 - 120 = 60$

$60° + 90° + x = 180°$ (ângulos internos do triângulo)
$150° + x = 180°$
$x = 180° - 150°$
$\underline{x = 30°}$

Letra B

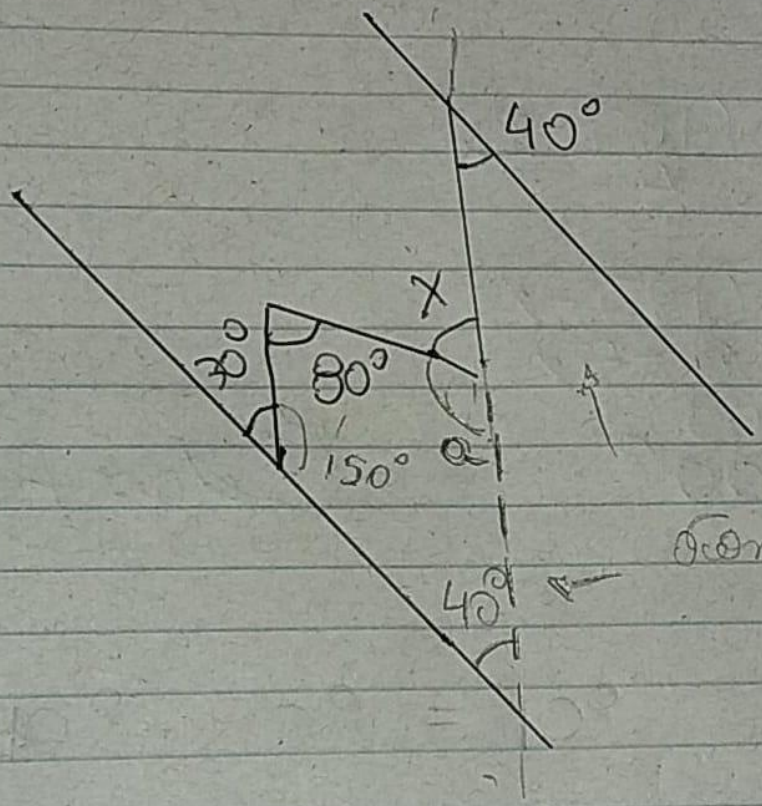
③



$a + 2a = 180°$
$a = 60°$
$|x + 60° = 180°$
$\underline{x = 120°}$

Letra D

④



a correspondentes

$150° + 40° + 80° + a = 360°$

$270° + a = 360°$

$a = 90°$

$a + x = 180°$

$90° + x = 180°$

$x = 90°$

⑤

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

$4x = 5(180 - x)$
$4x = 900 - 5x$
$9x = 900$
$x = 100°$

Letra A

⑥

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

$2x = 90 - x$
$3x = 90$
$x = 30°$

Letra A

(7)

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

$$9(90 - x) = 180 - x$$
$$810 - 9x = 180 - x$$
$$-8x = 630$$
$$x = 78.75^\circ$$

$75 - 100 \quad 100x = 4500x$
$x \quad 60 \quad x = 45'$

$x = 78^\circ 45'$

Letra E