

NOME: LARYSSA GOMES BENTO.

TURMA 350.

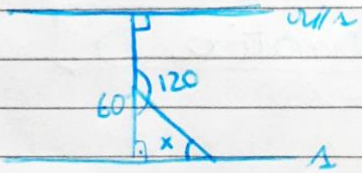
MATEMÁTICA – GEOMETRIA PLANA.

TAREFA BÁSICA.

1.

01) $x + 60^\circ = 180^\circ$
 $x = 180^\circ - 60^\circ$
 $x = 120^\circ$ alternativa "C"

2.

02)  $60^\circ + 90^\circ + x = 180^\circ$
 $150^\circ + x = 180^\circ$
 $x = 180^\circ - 150^\circ$
 $x = 30^\circ$ alternativa "B"

3.

03) $2a + a = 180^\circ$
 $3a = 180^\circ$
 $a = \frac{180^\circ}{3}$
 $a = 60^\circ$
 $x + a = 180^\circ$
 $x + 60 = 180^\circ$
 $x = 180^\circ - 60^\circ$
 $x = 120^\circ$ alternativa "D"

4.

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04

$$100 + 140 + 30 + x = 360$$

$$270 + x = 360$$

$$x = 360 - 270$$

$x = 90^\circ$

5.

05 $x = \frac{5}{4} (180^\circ - x)$

$$4x = 5(180^\circ - x)$$

$$4x = 900^\circ - 5x$$

$$4x + 5x = 900^\circ$$

$$9x = 900^\circ$$

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

$x = 100^\circ$

alternativa "A"

6.

06 $x' = \frac{90^\circ - x}{2}$

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

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

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

$x = 30^\circ$

alternativa "A"

7.

$$\textcircled{07} \quad \frac{3}{1} \cdot (90^\circ - x) = \frac{1}{3} \cdot (180^\circ - x)$$

$$9 \cdot (90^\circ - x) = (180^\circ - x)$$

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

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

$$630^\circ = 8x$$

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

$$x = 78^\circ$$

alternativa "E" ✓