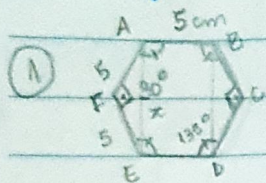


Tarefa Básica



$$x^2 = 5^2 + 5^2$$

$$x^2 = 50$$

$$x = 5\sqrt{2} \text{ cm}$$

SOMA ÂNGULOS 50 2

INTERIOS = 720° 25 5

5 5

$$\hat{C} \text{ e } \hat{F} = 90^\circ$$

$$A_{AFE} = A_{BCD} = \frac{5 \cdot 5}{2} = 25 \text{ cm}^2$$

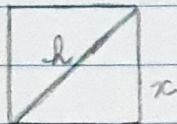
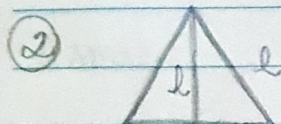
$$A_{BCDEF} = A_{AFE} + A_{BCD} + A_{ABDE}$$

$$A_{BCDEF} = 25 + 25\sqrt{2}$$

$$A_{BCDEF} = 25(1 + \sqrt{2}) \text{ cm}^2$$

$$A_{ABDE} = 5 \cdot 5\sqrt{2} = 25\sqrt{2} \text{ cm}^2$$

Alternativa (E)



$$l = x\sqrt{2}$$

$$4\sqrt{3} = x\sqrt{2}$$

$$x = \frac{4\sqrt{3} \cdot \sqrt{2}}{\sqrt{2}} = 4\sqrt{6} = 2\sqrt{6} \text{ m}$$

$$A_{\Delta} = 16\sqrt{3} \text{ m}^2$$

$$16\sqrt{3} = \frac{8l}{2}$$

$$16\sqrt{3} = \frac{l^2\sqrt{3}}{4}$$

$$4$$

$$32\sqrt{3} = 8l$$

$$A_{\square} = (2\sqrt{6})^2$$

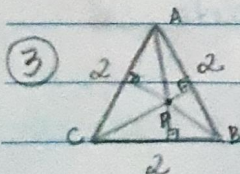
$$64\sqrt{3} = l^2\sqrt{3}$$

$$l = 4\sqrt{3} \text{ m}$$

$$A_{\square} = 4 \cdot 6 = 24 \text{ m}^2$$

$$l = 8 \text{ m}$$

Alternativa (B)



$$A_{ABC} = \sqrt{3}$$

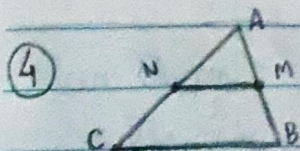
$$A_{APB} + A_{BPC} + A_{APC} = \sqrt{3}$$

$$x \cdot h_1 + x \cdot h_2 + x \cdot h_3 = \sqrt{3}$$

$$x \cdot (h_1 + h_2 + h_3) = \sqrt{3}$$

Alternativa (B)

$$h_1 + h_2 + h_3 = \sqrt{3}$$



$$\overline{AM} = \overline{AB}$$

$$\overline{AN} = \overline{AC}$$

$$\overline{MN} = \overline{BC} = K = 1$$

$$2$$

$$2$$

$$2$$

$$2$$

$$\frac{A_{AMN}}{A_{ABC}} = K^2 = \left(\frac{1}{2}\right)^2 = \frac{1}{4}$$

$$A_{BMNC} = A_{ABC} - A_{AMN}$$

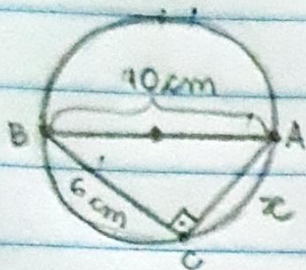
$$A_{BMNC} = 96 - 24$$

$$A_{BMNC} = 72 \text{ m}^2$$

$$A_{AMN} = \frac{1}{4} A_{ABC}$$

$$A_{AMN} = \frac{1}{4} \cdot 96 = \frac{96}{4} = 24$$

5



$$10^2 = 6^2 + x^2$$

$$100 = 36 + x^2$$

$$x^2 = 64$$

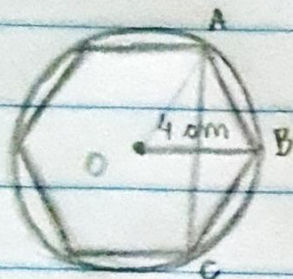
$$x = 8$$

$$A_{ABC} = \frac{6 \cdot 8}{2}$$

$$A_{ABC} = 24 \text{ cm}^2$$

Alternativa A

6



$$A_{ABC} = A_{ABO} = \frac{4^2 \sqrt{3}}{4} = \frac{16\sqrt{3}}{4} = 4\sqrt{3}$$

$$(4\sqrt{3})^2 = 16 \cdot 3 = 48$$