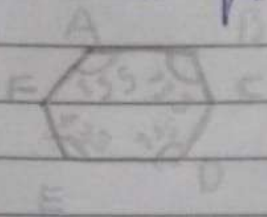


CREATE IT.

# Tarefa Basico.

7)



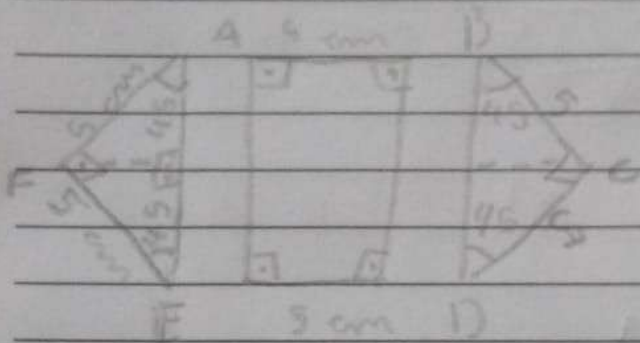
lado

ângulos internos

$$= (n-2) \cdot 180^\circ$$

$$= (6-2) \cdot 180^\circ$$

$$= 720^\circ$$



$$A+B+D+E = 540^\circ$$

$$F+C = 180^\circ$$

$$AE^2 = 5^2 + 5^2$$

$$AE = \sqrt{50}$$

$$AE = \sqrt{2 \cdot 25}$$

$$AE = 5\sqrt{2}$$

$$50 \quad 2$$

$$25 \quad 5$$

$$5 \quad 5$$

$$\text{sen } 45^\circ = \frac{h}{5}$$

$$\frac{\sqrt{2}}{2} \times \frac{h}{5}$$

$$S_{AEF} = \frac{(5\sqrt{2}) \cdot (\frac{5\sqrt{2}}{2})}{2}$$

$$S_{AEF} = \frac{25\sqrt{2}}{2}$$

$$2h = 5\sqrt{2}$$

$$h = \frac{5\sqrt{2}}{2}$$

$$S_{AEF} = \frac{50/2}{2}$$

$$S_{AEF} = \frac{25}{2} \text{ cm}^2$$

$$S_{ABCDEF} = 25\sqrt{2} + 2 \cdot (25/2)$$

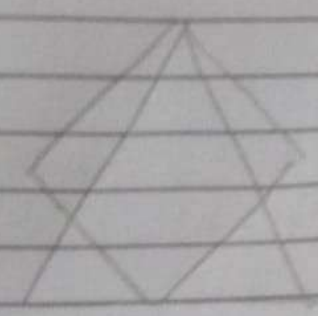
$$= 25\sqrt{2} + 25$$

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

alternativa (E)

CREATE IT.

2.)



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

$$S_{\Delta} = \frac{l^2 \cdot \sqrt{3}}{4}$$

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

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

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

$$64\sqrt{3} = \frac{l^2 \cdot \sqrt{3}}{4}$$

$$l^2 = 64$$

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

$$[l = 4\sqrt{3} = d]$$

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

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

$$l = \frac{4\sqrt{3}}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}}$$

$$l = 4\sqrt{6}$$

$$[l = 2\sqrt{6}]$$

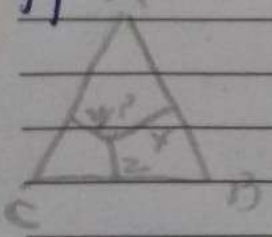
$$S_{\square} = l^2$$

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

$$S_{\square} = 4 \cdot 6$$

$$S_{\square} = 24 \text{ m}$$

3.) A



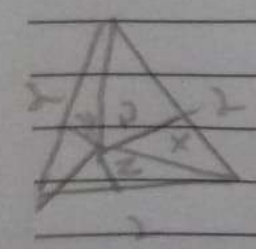
$$S_{APB} + S_{BPC} + S_{APC} = S_{ABC} = \sqrt{3}$$

$$S_{APB} = \frac{2 \cdot x}{2} \quad S_{BPC} = \frac{2 \cdot z}{2} \quad S_{APC} = \frac{2 \cdot y}{2}$$

$$\frac{x \cdot x}{x} + \frac{x \cdot y}{y} + \frac{x \cdot z}{z} = \sqrt{3}$$

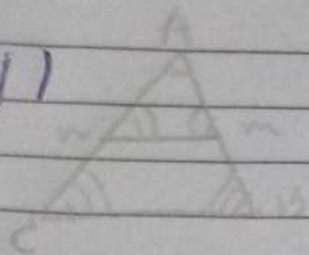
$$x + z + y = \sqrt{3}$$

alternativa (B)



CREATE IT.

4)



$$S_{ABC} = 96 \text{ m}^2$$

$$mn = \frac{1}{2} BC$$

$$\Delta ABC \sim \Delta AMN$$

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

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

$$S_{BMNC} = 96 - \frac{24}{4}$$

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

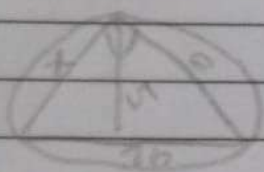
$$S_{BMNC} = 96 - 24$$

$$S_{AMN} = \frac{1}{4} \cdot 96 \text{ m}^2$$

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

$$72 \text{ m}^2$$

5)



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

$$100 = 36 + x^2$$

$$x^2 = 64$$

$$x = 8$$

$$S_{ABC} = \frac{b \cdot h}{2}$$

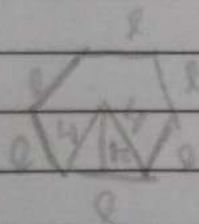
$$S_{ABC} = \frac{8 \cdot 6}{2}$$

$$S_{ABC} = 4 \cdot 6$$

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

alternativa [A]

6)



Hexágono regular inscrito na circunferência, lado:  $a = b = 4 \text{ cm}$

$$2p = \frac{a \sqrt{3}}{2} \quad (S_A = \frac{4 \cdot (2\sqrt{3})}{2})$$

$$2p = \frac{4\sqrt{3}}{2}$$

$$= 2(2\sqrt{3})$$

$$= 4\sqrt{3}$$

$$2p = 2\sqrt{3}$$

Quadrado

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

$$= 48$$