

$$3. \frac{(APC) = 2h_1}{2}$$

$$\frac{(APB) = 2h_2}{2}$$

$$\frac{(BPC) = 2h_3}{2}$$

$$\frac{2h_1}{2} + \frac{2h_2}{2} + \frac{2h_3}{2} = (APC) + (APB) + (BPC)$$

$$h_1 + h_2 + h_3 = 15$$

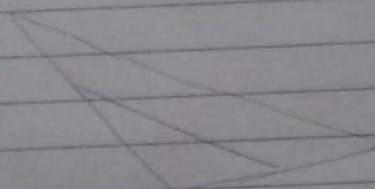
alternativa B

$$4. \frac{\Delta AMN}{\Delta ABC} = \frac{1}{4}$$

$$\Delta AMN = \frac{1}{4}$$

$$\Delta ABC = x + 5. \Delta AMN \Rightarrow x = 5 \Delta AMN$$

$$x = 96 - \frac{1}{4} (96) \Rightarrow x = 96 - 24 = 72$$



$$5. \text{Radio } AB = 10$$

$$\text{Radio } BC = 6$$

$$10^2 = 6^2 + AC^2$$

$$100 = 36 + AC^2$$

$$64 = AC^2$$

$$AC = 8$$

$$\frac{B \cdot h}{2}$$

$$\frac{8 \cdot 6}{2} = 4 \cdot 6$$

$$\text{area} = 24 \text{ cm}^2$$

alternativa A

Tarefa básica - Área de polígonos

$$1. (6-2)120^\circ = 720^\circ \quad A+B+C+D+E = 540^\circ$$

$$C = F = 90^\circ$$

$$AE \rightarrow x^2 = 5^2 + 5^2 \quad AD = 5 \cdot 5\sqrt{2}$$

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

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

\rightarrow Retângulo $ADFE$

Área triângulo retângulo

$$h = (5,5)$$

$$5\sqrt{2}$$

área do triângulo

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

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

$$2$$

$$2$$

$$A = \frac{25}{2}$$

Área dos hexágonos

$$A = 2 \cdot \left(\frac{25}{2} \right) + 25\sqrt{2}$$

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

$$A = 25(\sqrt{2} + 1)$$

alternativa E

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

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

$$a = l^2$$

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

$$a = (2\sqrt{6})^2$$

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

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

$$a = 4 \cdot 6$$

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

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

$$A = 24m^2$$

$$64 = \frac{l^2}{4} \rightarrow l = 8$$

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

$$l = 8$$

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

alternativa B

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$$6. \quad A = \frac{1^2 \sqrt{3}}{4}$$

$$(4\sqrt{3})^2$$

$$4\sqrt{3} \cdot 4\sqrt{3}$$

$$A = \frac{4^2 \sqrt{3}}{4}$$

$$16\sqrt{3}$$

$$16 \cdot 3 = 48,,$$

$$A = \frac{16\sqrt{3}}{4}$$

$$A = 4\sqrt{3}$$