

$$1 - 9i = 720^\circ$$

$$2X = 720 - 540$$

$$X = \frac{180}{2} = 90$$

$$\text{Area total} = A.1 + A.2 + A.3$$

$$\frac{5 \cdot 5 + 5 \cdot 5\sqrt{2} + 5 \cdot 5}{2}$$

$$h^2 = s^2 + s^2$$

$$h^2 = 25 + 25$$

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

$$h = \sqrt{50} = 5\sqrt{2}$$

$$\hookrightarrow \text{Area total} = 25(\sqrt{2} + 1)$$

Alternativa E

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

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

$$x^2 = y^2 + y^2$$

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

$$X = \frac{8\sqrt{3}}{2}$$

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

$$16 \cdot 3 = 2y^2$$

$$l^2 = \frac{16\sqrt{3} \cdot 4}{\sqrt{3}} = 164$$

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

$$y^2 = 24$$

Alternativa B

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

$$3 - A. \Delta ABC = \frac{2\sqrt{3}}{4} = \sqrt{3}$$

$$A. \Delta ABC = A. \Delta BCP + A. \Delta ABP + A. \Delta ACP$$

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$$\sqrt{3} = \frac{2 \cdot D_1}{2} + \frac{2 \cdot D_2}{2} + \frac{2 \cdot D_3}{2}$$

$$D_1 + D_2 + D_3 = \sqrt{3}$$

Alternativa B

$$4. \frac{A_{\Delta AMN}}{A_{\Delta ABC}} = K^2$$

$$\frac{A_{\Delta AMN}}{96} = \left(\frac{1}{3}\right)^2$$

$$\rightarrow A_{\Delta AMN} = \frac{96}{9} = 24$$

$$A_{\square BMNC}$$

$$A_{\Delta ABC} - A_{\Delta AMN} = 96 - 24$$

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

$$5. \text{Ratio} = 5$$

$$\text{Diameter} = 2, R = 10$$

$$A_{\Delta ABC} = ?$$

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

$$100 = 36 + x^2$$

$$x = \sqrt{64} = 8 \text{ cm}$$

$$\frac{A_{\Delta B.C}}{4.R}$$

$$\frac{2 \cdot 2}{10 \cdot 8} = \frac{4}{80} = \frac{1}{20}$$

$$4 \cdot 6 = 24 \text{ cm}^2$$

Alternativa A

$$6. R = 4$$

$$A = \frac{R\sqrt{3}}{2}$$

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

$$\text{Area 1} = \text{Area 3} = x$$

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

$$x^2 = 16 \cdot 3$$

$$x^2 = 48 \text{ cm}^2$$

$$2x = 24\sqrt{3} - 16\sqrt{3}$$

$$x = \frac{8\sqrt{3}}{2} = 4\sqrt{3}$$