

Corrección

01- Triángulo AFE = BCD

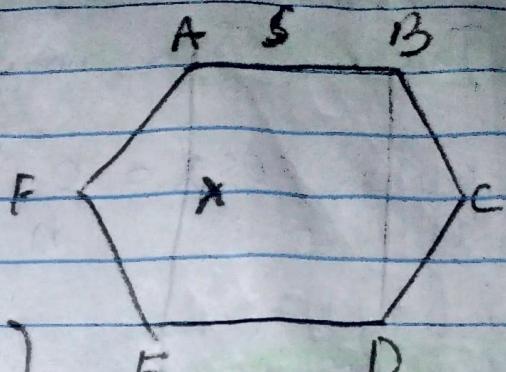
$$a^2 = 5^2 + 5^2$$

$$a = \sqrt{50}$$

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

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

$$\Delta AFE = \left(\frac{5\sqrt{2} \cdot 5\sqrt{2}}{2} \right)$$



$$A\square = 5\sqrt{2} \cdot 5$$

$$A\square = 25\sqrt{2}$$

$$\Delta AFE = \frac{25}{2}$$

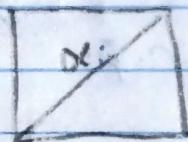
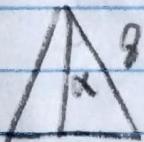
$$A\text{ trapecio} = \frac{25\sqrt{2}}{2} + \frac{25}{2} + \frac{25}{2}$$

E

$$A\text{ trapecio} = 25\sqrt{2} + 25$$

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

02-



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

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

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

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

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

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

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

$$l = \sqrt{64} = 8$$

$$l = \frac{4\sqrt{6}}{2}$$

B

$$\frac{b \cdot h}{2} = 16\sqrt{3}$$

$$A\square = l^2$$

$$8h = (16\sqrt{3})2$$

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

$$h = \frac{32\sqrt{3}}{8}$$

$$A\square = 4 \cdot 6$$

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

$$A\square = 24 \text{ m}^2$$

03-

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

$$p = (2+2+2)/2$$

$$p = 3$$

$$S_{ABC} = p \cdot r$$

$$\sqrt{3} = 3 \cdot r$$

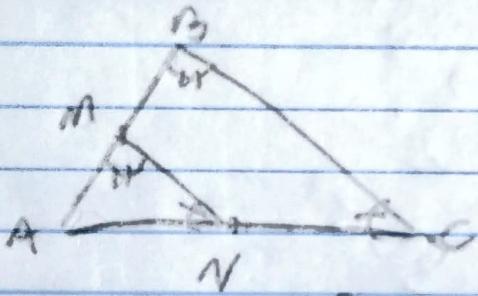
$$r = \frac{\sqrt{3}}{3}$$

$$S_{\text{oma}} = \frac{\sqrt{3}}{3} + \frac{\sqrt{3}}{3} + \frac{\sqrt{3}}{3}$$

(B)

$$S_{\text{oma}} = \frac{3\sqrt{3}}{3} = \sqrt{3}$$

04-



$$AA = 96^{\circ}$$

$$BC \parallel MN$$

$ABC \triangle ABC \triangle AMN$ sind ähnliche

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

$$AN = \frac{AC}{2}$$

$$ABC - AMN = MNBC$$

$$\frac{AC}{2} =$$

$$MNBC = 96 - 24$$

$$\frac{AC}{2} = \frac{AC}{2AC} = \frac{1}{2}$$

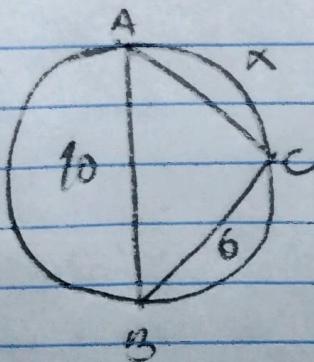
$$MNBC = 72 \text{ m}^2$$

$$\frac{x}{96} = \frac{1}{4}$$

$$4x = 96$$

$$x = 24 \text{ m}^2$$

05-



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

$$x = \sqrt{64}$$

$$x = 8$$

$$A \Delta = \frac{6 \cdot 10 \cdot 8}{4 \cdot 5}$$

$$A \Delta = \frac{480}{20}$$

$$A \Delta = 24 \text{ cm}^2$$

(A)

$$06c \quad A\Delta = \frac{1}{4} l^2 \sqrt{3}$$

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

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

$$A\vartriangle = \frac{D \cdot d}{2}$$

$$8\sqrt{3} = \frac{4\sqrt{2} \cdot d}{2}$$

$$16\sqrt{3} = 4\sqrt{2} \cdot d$$

$$d = \frac{16\sqrt{3}}{4\sqrt{2}}$$

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

$$h = \frac{d}{2}$$

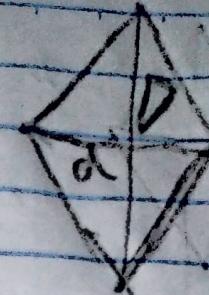
$$h = \frac{2\sqrt{6}}{2} = \sqrt{6}$$

$$x^2 = 4^2 + 4^2$$

$$x^2 = 32$$

$$x = \sqrt{32}$$

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



$$A\vartriangle = (4\sqrt{3}) \cdot 2$$

$$A\vartriangle = 8\sqrt{3}$$

$$A\Delta = \frac{b \cdot h}{2}$$

$$A\Delta = \frac{4\sqrt{2} \cdot \sqrt{6}}{2}$$

$$A\Delta = 2\sqrt{12}$$

$$A\Delta = 2 \cdot 2\sqrt{3}$$

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

$$A\Delta^2 = (4\sqrt{3})^2 = 16 \cdot 3 = 48 \text{ cm}^2$$