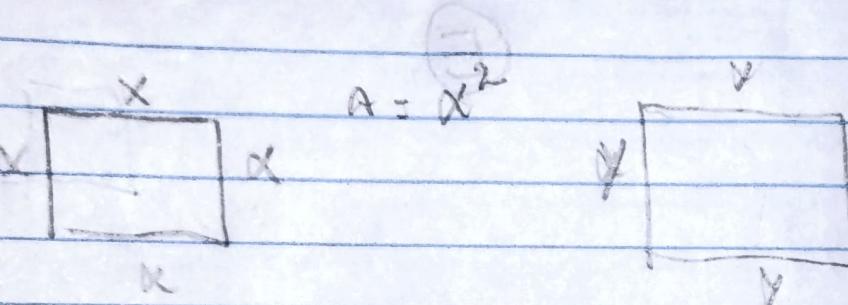


Exercícios

01- a) Para cobrir 36 m^2 com 400 pçs, será necessário
 pçs de: $\frac{36}{400} = 0,09 \text{ m}^2$.

b) $A_{\square} = l \cdot l$ $P_{\square} = 0,3 \cdot 4$
 $0,09 = l^2$ $P_{\square} = 1,2 \text{ m}$
 $l = \sqrt{0,09} = 0,3$

02-



$$A = x^2$$

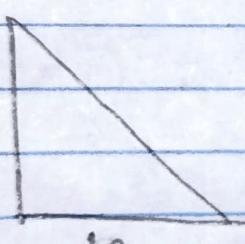
$$2A = y^2$$

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

$$y = \sqrt{2}x^2$$

$$y = x\sqrt{2}$$
D

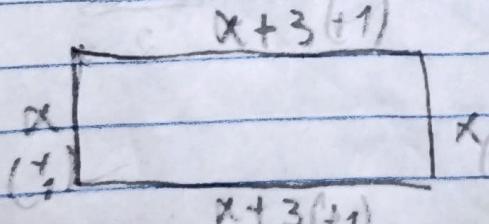
03-



$$A_{\Delta} = \frac{b \cdot h}{2} \rightarrow 15 = \frac{10 \cdot h}{2} \rightarrow h = \frac{30}{10}$$

$$h = 3$$
D

04-



$$A = (x+3) \cdot x$$

$$A = x^2 + 3x$$

$$A+16 = (x+4) \cdot (x+1)$$

$$A+16 = x^2 + x + 4x + 4$$

$$x^2 + 3x + 16 = x^2 + 5x + 4$$

$$16 - 4 = x^2 + 5x + 3x - x^2$$

$$12 = 2x$$

$$x = 6$$

$$A = (x+3) \cdot x$$

$$A = (6+3) \cdot 6$$

$$A = 54$$

$$A_{\text{ampliada}} = 54 + 16 = 70 \text{ m}^2$$

$$09- A = b \cdot h$$

$$48 = 4x \cdot 3x$$

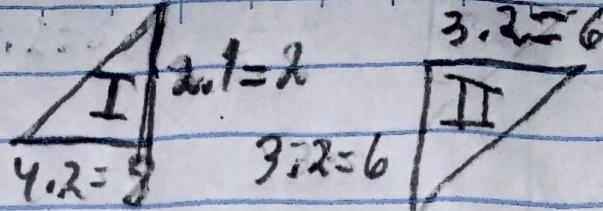
$$48 = 12x^2$$

$$x = \sqrt{4}$$

$$x = 2$$

$$AI = 3 \cdot 2 / 2$$

$$AII = 3$$



$$AIII = 6 \cdot 6 / 2$$

$$AIV = 18$$

$$\text{A Fläche rechteck} = 48 - (18+8)$$

(E)

$$\text{A Fläche rechteck} = 22$$

$$10- \frac{(AD)^2}{AB} = \frac{1}{2}$$

$$\overline{AB} = 8$$

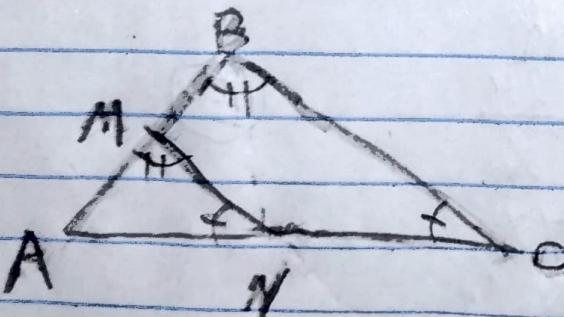
$$\frac{AD^2}{64} = \frac{1}{2}$$

(A)

$$2AD^2 = 64$$

$$AD = \sqrt{32} = 4\sqrt{2}$$

11-



$$A = 96 \text{ m}^2$$

$$BC \parallel MN$$

$\triangle ABC \sim \triangle AMN$ nicht
semelhartter

$$AN = AC$$

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

$$ABC - AMN = MNBC$$

$$MNBC = 96 - 24$$

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

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

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

$$4x = 96$$

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