

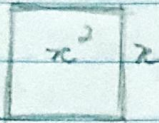
# Lista Básica

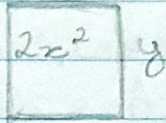
1-a)  $\frac{36}{400} = 0,09 \text{ cm}^2$

b)  $0,09 = l^2$   
 $l = \sqrt{0,09}$

$l = 0,3 \text{ cm}$

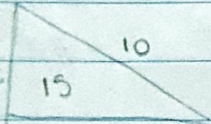
$P = 0,3 \cdot 4 = 1,2 \text{ m}^2$

2-) 



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

(D)

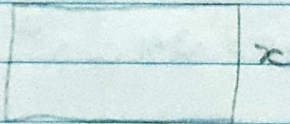
3-) 

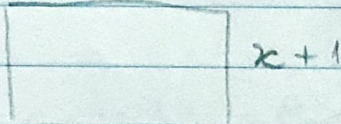
$15 = \frac{10 \cdot x}{2}$

$30 = 10x$

$x = 3$

(D)

4-) 



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

$16 + x^2 + 3x = x + 4 \cdot x + 1$

$16 + x^2 + 3x = x^2 + x + 4x + 1$

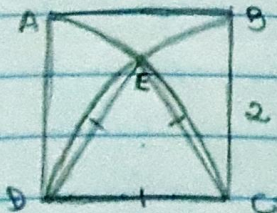
$x + 4 = 6 + 4 = 10$

$-2x = -12$

$x + 1 = 6 + 1 = 7$

$x = 6$

$10 \cdot 7 = 70 \text{ m}^2$

5-) 

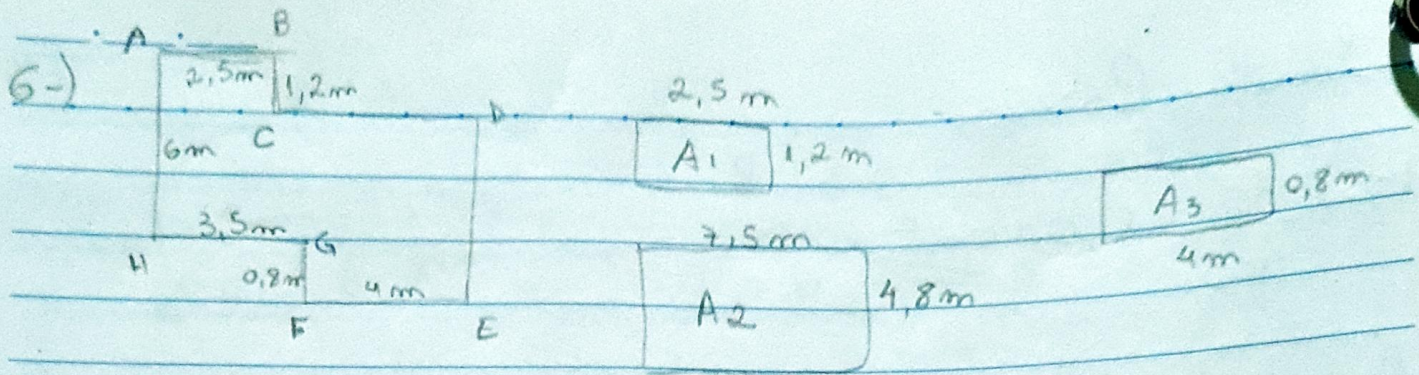
$A_{\Delta} = \frac{l^2 \sqrt{3}}{4}$

$A = \sqrt{3}$

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

(B)





$$A_T = A_1 + A_2 + A_3$$

$$A_T = 3 + 36 + 3,2$$

$$A_T = 42,2 \text{ m}^2$$

$$A_1 = 2,5 \cdot 1,2$$

$$A_1 = 3 \text{ m}^2$$

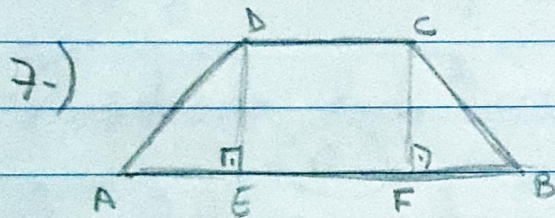
$$A_3 = 4 \cdot 0,8$$

$$A_3 = 3,2 \text{ m}^2$$

$$A_2 = 7,5 \cdot 4,8$$

$$A_2 = 36 \text{ m}^2$$

(E)



$$A_{\square} = 36 \text{ cm}^2$$

$$AB = 2CD$$

$$36 = \frac{(2CD + CD) \cdot DE}{2}$$

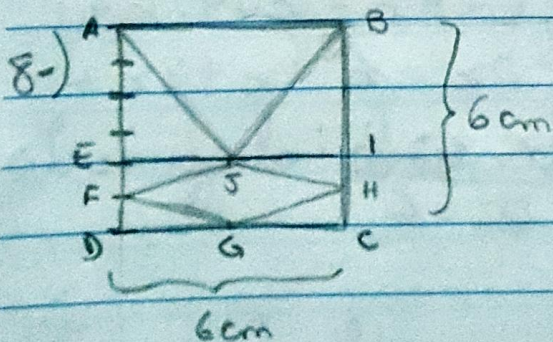
$$A_{CDEF} = \frac{CD \cdot 24}{2}$$

$$72 = 3CD \cdot DE$$

$$A_{CDEF} = 24 \text{ cm}^2$$

$$DE = \frac{72}{3CD} = \frac{24}{CD}$$

(E)



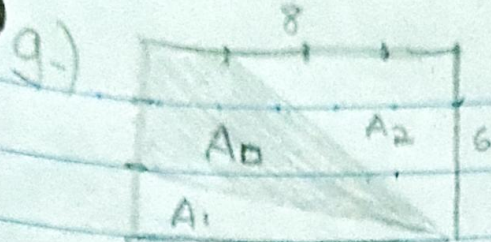
$$A_{\Delta} = \frac{6 \cdot 4}{2} = 12 \text{ cm}^2$$

$$A_{\diamond} = \frac{6 \cdot 2}{2} = 6 \text{ cm}^2$$

$$\frac{6}{12} = \frac{1}{2}$$

(D)





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

$$x^2 = 4$$

$$x = 2$$

(E)

$$A_1 = 8 \cdot 2 = 8$$

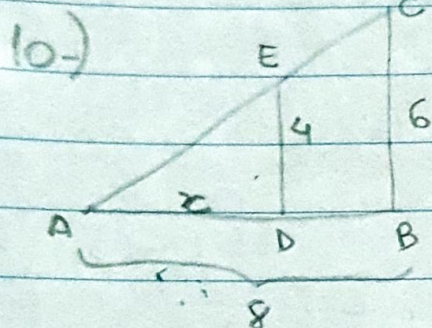
$$2$$

$$\Delta \square = 48 - 8 - 18$$

$$\Delta \square = 22$$

$$A_2 = 6 \cdot 6 = 18$$

$$2$$



$$A_{ABC} = 2 A_{ADE}$$

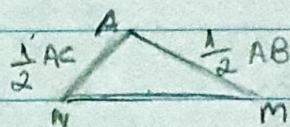
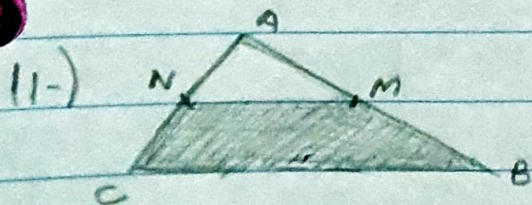
$$A_{ADE} = A$$

$$A_{ABC} = 2A$$

$$\frac{A}{2A} = \left( \frac{x}{8} \right)^2$$

(A)

$$\frac{1}{2} = \left( \frac{x}{8} \right)^2 \Rightarrow \frac{1}{2} = \frac{x^2}{64} \Rightarrow x^2 = 32 \Rightarrow x = 4\sqrt{2}$$



$$A_{AMN} = 24 \text{ m}^2$$

$$K^2 = \frac{1^2}{4} = \frac{1}{4}$$

$$\frac{1}{4} \cdot 96 = 24$$

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

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