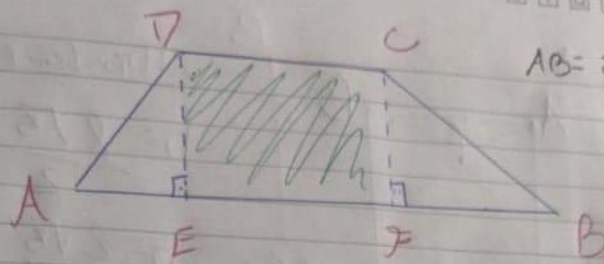


07-



$$AB = 2CD$$

Área trapézio

$$A_{\text{trap}} = \frac{(B+b) \cdot h}{2}$$

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

$$24 = CD \cdot h$$

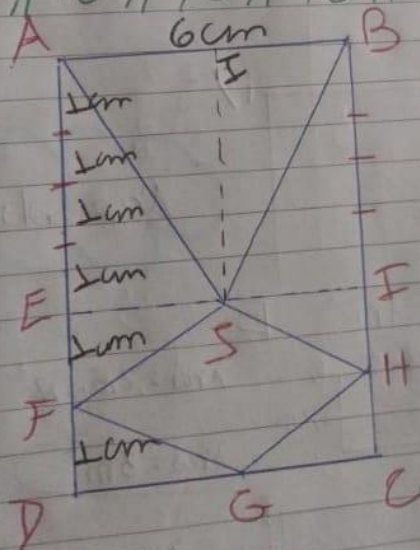
Área retângulo

$$CD \cdot DE = \text{Área}$$

$$CD \cdot h = \text{Área}$$

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

08-



Área FGHS

$$D \cdot d / 2$$

$$F \cdot H \cdot 50 / 2$$

$$6 \cdot 2 / 2 = 6 \text{ cm}^2$$

$$\text{Área FGHS} = 6 \text{ cm}^2$$

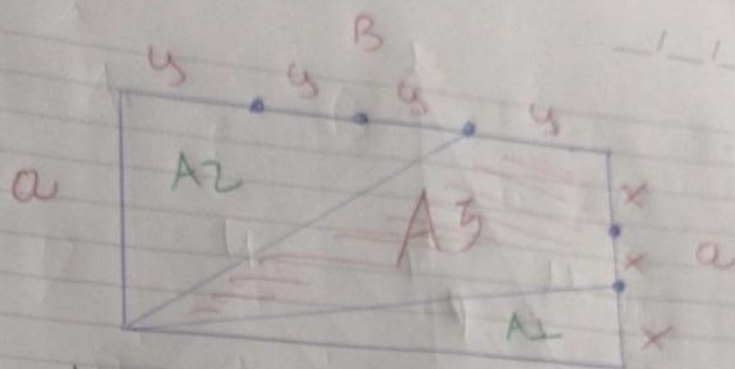
Área ABS

$$A_{\text{ABS}} = B \cdot h / 2$$

$$\frac{AB \cdot I}{2} = \frac{6 \cdot 4}{2} = 12$$

$$\Delta \text{FGHS} = \frac{6}{12} = \frac{1}{2} \Delta \text{ABS}$$

09.



\* Em contras 2 números onde o B tem que ser maior que o a e di 48.

$$a = 6$$

$$a = 3x$$

$$b = 4y$$

$$b = 8$$

$$6 = 3x$$

$$8 = 4y$$

$$x = 2$$

$$y = 2$$

area

$$A_1 = 8 \cdot 2$$

area

$$A_2 = 3y \cdot a/2$$

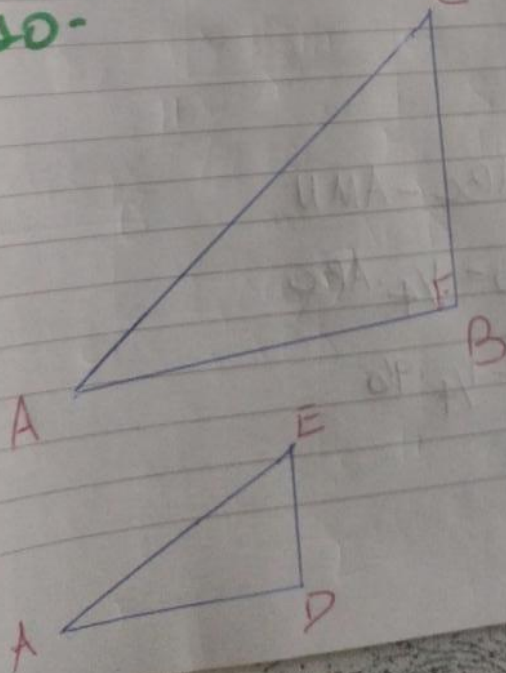
$$A_3 = 48 - 16 - 8$$

$$A_1 = 16/2 = 8$$

$$A_2 = 36/2 = 18$$

$$A_3 = 22$$

10.



$$\triangle ABC \sim \triangle AED$$

$$\text{Propriedade } \left(\frac{A}{A}\right) = k^2$$

$$\frac{AD^2}{AB^2} = \frac{\text{area ADE}}{\text{area ABC}}$$

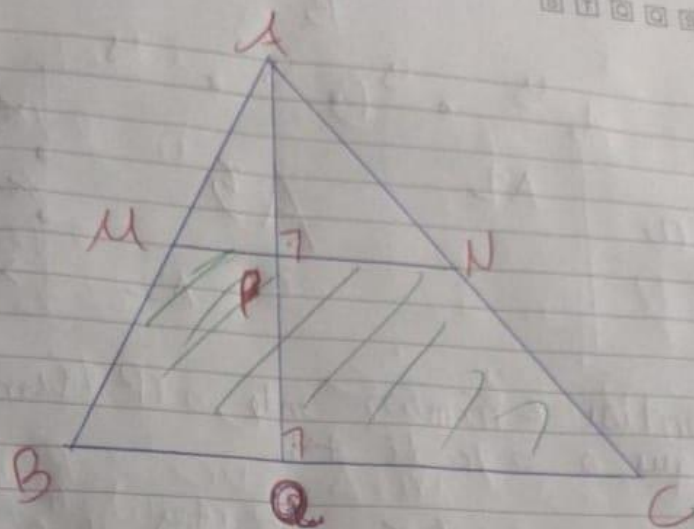
$$\frac{AD^2}{8^2} = \frac{1/2}{1}$$

$$2AD^2 = 64$$

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

spiral

11-



$$MN = \frac{1}{2} BC$$

Por el Pnto medio

$$\triangle AMN \sim \triangle ABC = 1:2$$

$$\frac{\triangle AMN}{\triangle ABC} = \left(\frac{1}{2}\right)^2 \Rightarrow \triangle AMN = \frac{1}{4} \cdot \triangle ABC$$

$$x = BMNC$$

$$\triangle ABC = x + \triangle AMN \Rightarrow x = \triangle ABC - \triangle AMN$$

$$x = 96 - \frac{1}{4} \cdot \triangle ABC$$

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

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

spiral