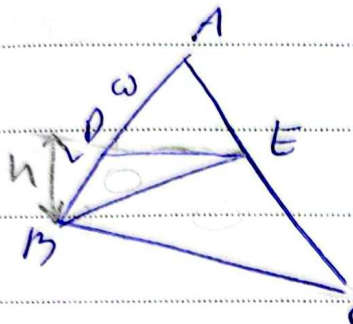




$$BC \parallel DE$$

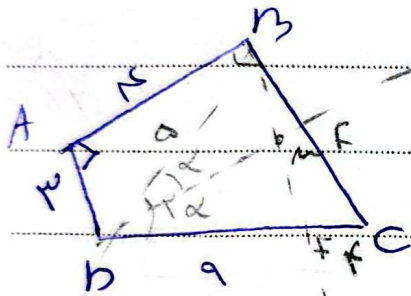
$$\frac{S_{BCE}}{S_{BDE}} = ?$$

(1)

$$h_{BCE} = h_{BDE} \rightarrow$$

$$\frac{S_{BCE}}{S_{BDE}} = \frac{BC}{DE}$$

$$DE \parallel BC \rightarrow \frac{BC}{DE} = \frac{12}{\omega}$$



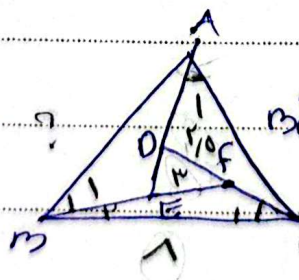
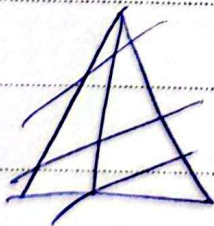
$$\therefore BC \parallel DE \rightarrow \frac{BC}{DE} = \frac{12}{\omega}$$

(2)

$$\triangle OBF \cong \triangle DMF \rightarrow OF = DF = \omega \rightarrow FC = \omega$$

$$\rightarrow MF = \omega$$

Clasificación de triángulos



$$\angle BDE = \angle ABC = \angle CAE$$

(3)

$$DF = \omega, \omega = EF \rightarrow$$

$$\therefore AB \parallel DE$$

(4)

$$\therefore C_1 + B_1 = F$$

$$C_1 + A_1 = E$$

$$\Rightarrow \triangle OFE \sim \triangle ABC$$

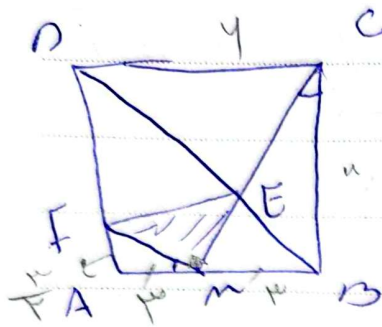
$$A_1 + C_1 = D$$

$$\frac{12}{\omega} = \frac{\omega}{\omega} \rightarrow \omega = 6$$

Arman

Subject : ( )

Date : \_\_\_\_\_



AD given as  $m$

$S_{\triangle MEF}$

$$\triangle CBM \sim \triangle FAM \rightarrow AF = \frac{m}{2}$$

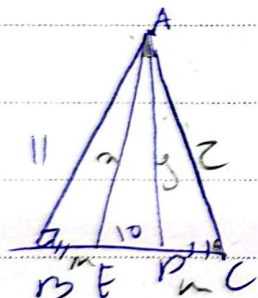
$$\triangle BME \sim \triangle DEC \rightarrow ME = \frac{1}{2} CE$$

$$MC = \sqrt{a^2 + m^2} = m\sqrt{5}$$

$$\underline{ME = \frac{1}{2} CE} \rightarrow \begin{cases} ME = \sqrt{5} \\ CE = m\sqrt{5} \end{cases}$$

$$MF = \sqrt{\frac{a^2}{4} + a^2} = \frac{m}{2} \sqrt{5}$$

$$S_{\triangle MEF} = \frac{1}{2} \left( \frac{m}{2} \sqrt{5} \right) \times \sqrt{5} = \frac{m \times a}{2} = \frac{m \times 10}{2} = 5m$$



$$BE = DC, \angle AEB = \angle ACD = 90^\circ$$

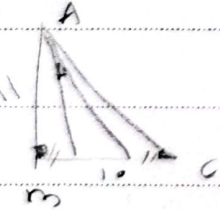
$$BC = 10 \quad AED$$

$$AED \sim ACE$$

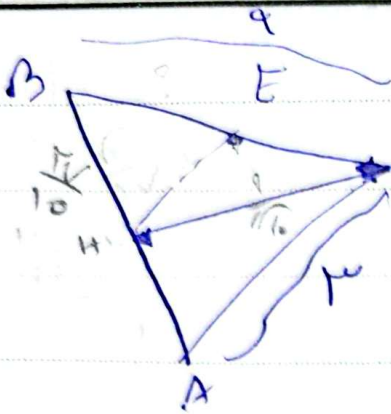
$$\frac{m}{10+m} = \frac{y}{2} = \frac{10}{m} \rightarrow m^2 = 10(1+m)$$

$$m^2 + 10m - 100 = 0 \rightarrow m^2 - 10m + 10m - 100 = 0$$

$$(m-10)(m+10) = 0 \rightarrow \begin{cases} m=10 \\ m=-10 \end{cases}$$



Arman



$$AB + CH = 19$$

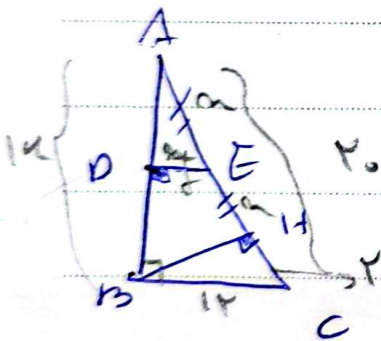
$$A \perp B = 0 \rightarrow AB = \sqrt{10}$$

$$CH = \frac{a}{\sqrt{1.0}}$$

$$A = B \cap A \cup B$$

$$Q = BH \times \frac{AB}{\sqrt{L}} \rightarrow \frac{dQ}{dL} = BH \times \frac{1}{\sqrt{L}} \rightarrow \frac{QV}{L}$$

$$\left(\frac{v}{v_0}\right)^4 = BE \times 9 \rightarrow \frac{v \times v}{1.0} = BE = 1.1$$



$$BC = 12 \quad AB = 14$$

$n \in \mathbb{N}$

$$1u^P + 1v^P = AC^P \Rightarrow AC = P.$$

$$\frac{4}{14} = \frac{2}{7}$$

$$\frac{1}{u} = \frac{1}{m} \times \frac{1}{b}$$

$$\gamma_{\omega\omega} = \gamma_{02}$$

$$z = \frac{1}{\sqrt{2}}$$

$$\rightarrow \frac{y}{14} = \frac{44}{40}$$

$$\begin{array}{r} 11 \\ 23 \\ \hline 34 \end{array}$$

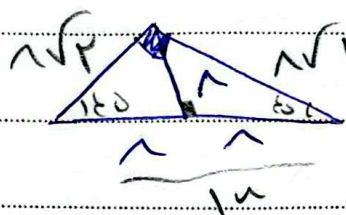
$$\mu + \mu = 9 \frac{1}{2}$$

$$\rightarrow y = PE = \frac{K}{\lambda R}$$



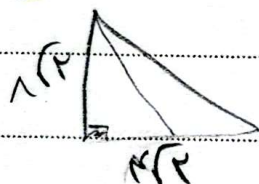
$$s_r = 1 \times F_c \rightarrow F_c = 14$$

$$\Rightarrow B_C^X = 14 \times 10 \rightarrow B_C = 140$$



$$2^x + 2^x = 16 \times 4$$
$$\times 2^x = 16 \times 16$$

$$m = \sqrt{5}$$



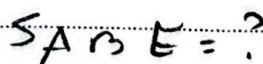
$$\begin{array}{r} 45 \\ 15 \end{array}$$

$\Rightarrow$

$$20^{\circ} = (x\sqrt{2})^{\circ} + (y\sqrt{2})^{\circ} = -$$

$$xy + 12x = 140$$

$$\mu = \sqrt{1}$$



$$B \cap C = \emptyset \rightarrow A \cap B \cap C = \emptyset$$

$$BPC \approx EOC$$

$$AEC \sim EMC$$

$$S_m n c = f$$

$$BC = \sqrt{a}, EC = \sqrt{b}$$

$$\frac{E_c}{mD} \cdot \frac{r_0}{r} \rightarrow s = r \times \left( \frac{r_0}{r} \right)^2 = 0$$

— *Arman*