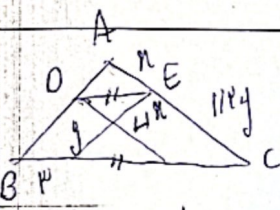
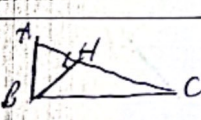


$BC = CD = AD = AB = 1 \Rightarrow \frac{BC}{AE} = \frac{1}{x} = \frac{1}{x}$
 $\frac{FC}{FA} = y \Rightarrow \frac{fC}{y} = y \Rightarrow fC = y^2$
 $\frac{fB}{m} = y \Rightarrow fB = ym$
 $AEF \sim BFC \Rightarrow \hat{f}_1 = \hat{f}_2, \hat{c}_1 = \hat{c}_2$
 $ABE \sim BEF \Rightarrow \frac{AB}{BE} = \frac{AE}{EF} \Rightarrow \frac{1}{1-x} = \frac{x}{EF} \Rightarrow EF = x(1-x)$
 $ACD \sim ACF \Rightarrow \frac{AC}{CF} = \frac{AD}{AF} \Rightarrow \frac{1}{y} = \frac{1}{1-y} \Rightarrow y = 1-y \Rightarrow y = \frac{1}{2}$
 $\Rightarrow \frac{BE}{AC} = \frac{1-x}{\sqrt{2}} \Rightarrow \frac{1-x}{\sqrt{2}} = \frac{1}{2} \Rightarrow x = \frac{1}{2}$

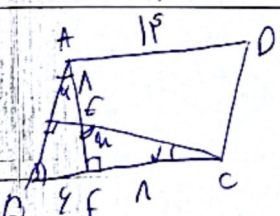
$\frac{AD}{AB} = \frac{ED}{BC} = \frac{AE}{AC} \Rightarrow \frac{AE}{AC} = \frac{AD}{AB} \Rightarrow \frac{x}{1} = \frac{1}{1+x} \Rightarrow x^2 + x - 1 = 0$
 $\Rightarrow x = \frac{-1 \pm \sqrt{5}}{2}$



$EC = 1-y \Rightarrow \frac{1}{1-y} = \frac{1}{y} \Rightarrow \frac{AE}{AC} = \frac{1}{2} \Rightarrow \frac{DE}{BC} = \frac{1}{2} \Rightarrow DE = \frac{1}{2} BC$
 $\frac{DE}{BC} = \frac{1}{2} \Rightarrow DE = \frac{1}{2} BC$
 $\Rightarrow \frac{1}{2} BC = \frac{1}{2} BC \Rightarrow BC = 1 \Rightarrow \frac{1}{2} BC = \frac{1}{2} \Rightarrow BC = 1$



$BH = \frac{AB^2}{BC} = \frac{1}{1} = 1$
 $HC = \frac{AC^2}{BC} = \frac{1}{1} = 1$
 $ABH \sim BHC \Rightarrow \frac{AB}{BH} = \frac{BH}{BC} \Rightarrow \frac{1}{1} = \frac{1}{1} \Rightarrow 1 = 1$
 $\Rightarrow BH = \frac{AB^2}{BC} = \frac{1}{1} = 1$
 $\Rightarrow AC = \sqrt{2} \Rightarrow \frac{1}{\sqrt{2}} = \frac{1}{2}$



$ABF \sim BEF \Rightarrow \frac{m+n}{n} = \frac{y}{x} \Rightarrow x^2 + nm - \epsilon = 0$
 $\Rightarrow (m+n)(m-\epsilon) \Rightarrow m \leq \epsilon$
 $\Rightarrow m+n = 1 \Rightarrow \epsilon + n = 1$

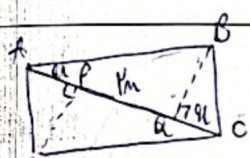


$$\Rightarrow \mathbb{E}^\Delta f = \mathcal{D}^\Delta f$$

$$\Rightarrow \frac{n+1}{\partial/\partial n} \leq \frac{1}{\partial/\partial} \Leftrightarrow \{E+1\}n = \partial/\partial n \leq \partial/\partial$$

$$\Rightarrow \gamma/\partial u = 11(\partial/\partial \epsilon)$$

$$\Rightarrow n = \frac{11d/10}{1/10} = \frac{44}{10} \Rightarrow n = 4.4$$



$$\overset{0}{A} \overset{0}{D} P, \overset{0}{A} \overset{0}{B} Q = \frac{1}{16} \rightarrow \hat{A} = \hat{A} \Rightarrow \overset{0}{A} \overset{0}{B} Q \subseteq \overset{0}{A} \overset{0}{D} P$$

$$\Rightarrow \frac{AB}{AD} = \frac{AP}{AQ} \Rightarrow AQ = AP + PQ = 0.4 + 0.6 = 1.0$$

$$\Rightarrow \frac{AB}{AP} = \frac{M}{P_M} = \frac{1}{P} \Rightarrow S \in AB \wedge AP \Rightarrow AP = P_M \Rightarrow S = P_M \Rightarrow S_{ABP} = \frac{1}{P} AP \cdot BP$$

$$\Rightarrow \frac{BQ}{OP} = \frac{AB}{AO} = \frac{1}{4} \Rightarrow BQ = h \Rightarrow DP = \frac{1}{4}h \Rightarrow \delta_{ABQ} = \frac{1}{4}ah \Rightarrow \delta_{ADP} = \frac{1}{4}ah$$

$\Rightarrow$ ~~5 small~~ $\delta_{\text{all}} \epsilon = 4$ $\frac{\delta_{\text{big}}}{\delta_{\text{small}}} = \frac{6}{1} = 6 \Rightarrow 4 \times \frac{\epsilon}{2} = 1$

$$\frac{BM}{AM} = u \Rightarrow BM = uAM \Rightarrow AB = AM + BM = AM(1+u) \Rightarrow \frac{BM}{AB} = \frac{u}{1+u} \Rightarrow \frac{BN}{NC} = \frac{u}{1} \Rightarrow \frac{BN}{BC} = \frac{u}{1+u}$$

$$\Rightarrow \frac{\delta_{BMN}}{\delta_{ABC}} = \frac{BM}{AB} \times \frac{BN}{BC} \Rightarrow \frac{\delta_{BMN}}{\delta_{ABC}} = \frac{M}{1+n} \times \frac{P}{Q} \Rightarrow \frac{M}{M+1} \times \frac{W}{Q} = \frac{1}{W} \Rightarrow qm = d+dq \rightarrow dq = \frac{d}{e}$$

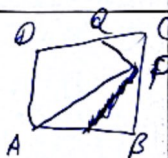
$$\Rightarrow \frac{BM}{AM} = \frac{d}{E}$$

$AP = \varepsilon \quad PQ = 1 \Rightarrow DQ = PQ = 1 \Rightarrow \delta = \text{مقطع} \Rightarrow AQ = 5$

$$\rightarrow PP=1 \quad PP \parallel PQ \Rightarrow AP=AP+PP \Rightarrow F_1=0$$

$$AP = 2 \Rightarrow AC = \sqrt{2} \Rightarrow AC = \sqrt{2}P$$

$$\Rightarrow (AC)^T = (AP)^T + S^T \Rightarrow (S^T V)^T = 2^T + S^T \Rightarrow 1^T S^T (2 + S^T) = S^T (2)$$



$$G = \frac{d\vec{S}}{dt} \Rightarrow GE = EC \Rightarrow \frac{AG}{GM} = Y \Rightarrow \textcircled{26} CG = GE = \frac{EC}{Y}$$

$\Rightarrow B9G9C = \text{سرفیلان}$

$$A \cdot F \cdot E = \text{سرفصله}$$

Bf $\Delta \hookrightarrow \text{info}$

$$\Rightarrow \frac{BG}{GM} = p \Rightarrow \frac{BD}{fD} = \frac{BG}{Gf} \Rightarrow \frac{BG}{GC} = p \Rightarrow GC = GE$$

$$\Rightarrow GE = GF \Rightarrow \frac{BG}{GF} = 1 \Rightarrow \frac{BD}{FO} = 1$$