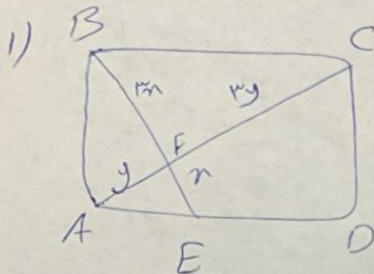


1,0



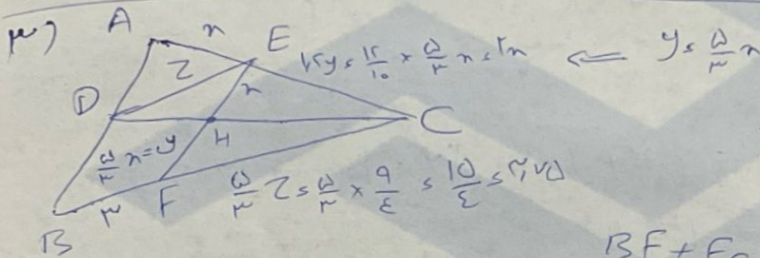
پیوست :



$$\left. \begin{aligned} \hat{A}BC &: (fy)^T \leq 1 \\ \hat{A}BE &: (em)^T \leq 1 \end{aligned} \right\} \div \frac{x^T}{y^T} = \frac{10}{1A} < \frac{0}{9} \rightarrow \frac{x}{y} \leq \frac{\sqrt{25}}{r}$$

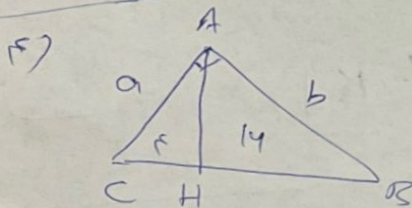
9

4) $\triangle AED \sim \triangle ABC \Rightarrow \frac{r}{n+1} = \frac{n}{10} \rightarrow n^r + n s^r \rightarrow n^r + n - r s =$
 $(n+1)(n-1) s =$
 $\underline{n s - 1 x} \quad \underline{n s d} \checkmark$

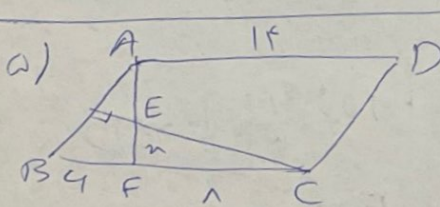


$$\frac{\pi}{\mu_1} \cdot \frac{2}{\mu_2} \rightarrow \frac{\Delta}{\mu} Z + \mu_1 \mu_2 Z$$

$$BF + FC = 1 + 1,40 = 2,40$$



$$\begin{array}{l} a^T \leq 8 \times t_e \\ b^T \leq 14 \times t_e \end{array} \xrightarrow{\div} \frac{b^T}{a^T} \leq 8 \rightarrow \frac{b}{a} \leq 8 \quad \text{⑤}$$

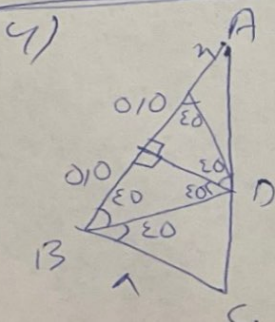


$$\overset{\Delta}{EFC} \sim \overset{\Delta}{AFB}$$

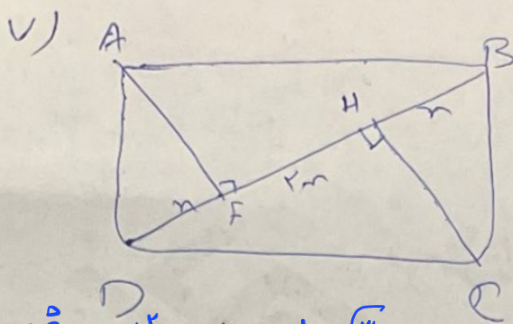
$$\frac{n}{4} = \frac{1}{n+1} \rightarrow n + 1 = 4 \rightarrow n = 3$$

$$AF = 15$$

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$$\frac{n + 2/0}{2/0} \stackrel{\text{cancel}}{\longrightarrow} \frac{n}{1/0} = \frac{n}{1/0} = \frac{n}{1/0} \rightarrow n = \frac{n}{1/0} = \boxed{4,4}$$



$$BH \leq DF \leq \frac{1}{r} FH$$

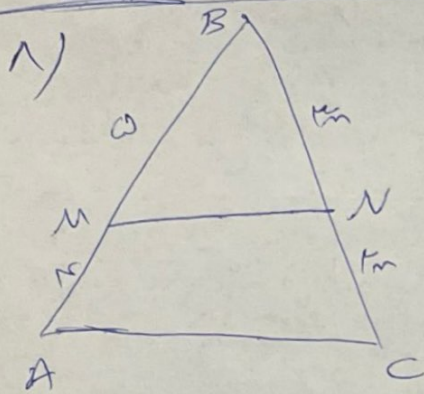
$$\frac{S_{HBC}}{S_{BCD}} \leq \frac{1}{\varepsilon} \rightarrow \frac{S_{ABC}}{S_{BCD}} \times \frac{S_{BCD}}{S_{ABCD}} \leq \frac{S_{HBC}}{S_{ABCD}}$$

$$ABO \rightarrow h' = n \times r \rightarrow h = \sqrt{r} n$$

$$S_{\square} = r \times S_{ABD} = \frac{r \times h \times r}{r} = \sqrt{r} n \times r = r \sqrt{r} n$$

$$S_{\triangle} = \frac{h \times r}{r} = \frac{\sqrt{r} n \times r}{r} \quad \frac{S_{\square}}{S_{\triangle}} = 1$$

$$\frac{1}{\varepsilon} \times \frac{1}{r} \leq \frac{1}{1} \leq \frac{S_{ABCD}}{S_{HBC}}$$



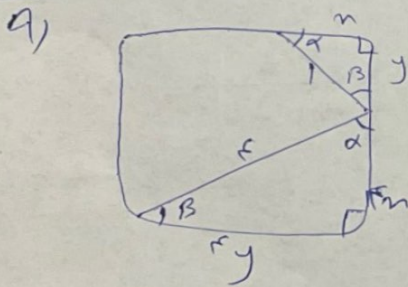
$$\frac{BN}{NC} \leq \frac{r}{r}$$

$$S_{ABC} = r S_{BMN}$$

$$\rightarrow \frac{1}{r} \times \frac{1}{2} \times AB \times h \leq r \times \frac{1}{2} \times BM \times h$$

$$\rightarrow \frac{AB}{BM} \leq \frac{r}{r}$$

$$\frac{AB}{BM} = \frac{r}{r} \rightarrow \frac{BM}{AM} \leq \frac{r}{r}$$

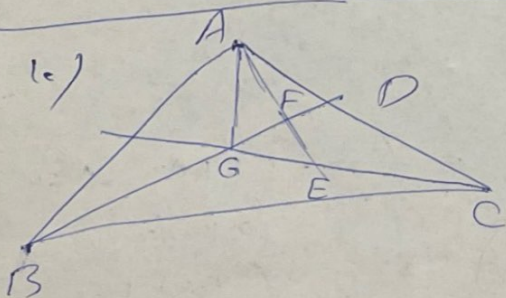


$$r y \leq \varepsilon n + y \rightarrow r y \leq \varepsilon n \rightarrow y \leq \frac{\varepsilon}{r} n$$

$$n^2 + y^2 = 1 \rightarrow n^2 + \frac{14}{9} n^2 \leq 1 \rightarrow \frac{r}{9} n^2 \leq 1 \rightarrow n \leq \frac{r}{9}$$

$$S \leq 14 y \leq 14 \times \frac{14}{r} \leq \frac{1}{r}$$

$$y \leq \frac{\varepsilon}{r}$$



$$GB \leq \frac{1}{r} BD$$

$$FD \leq \frac{1}{r} GD \rightarrow FD \leq \frac{1}{r} \times \frac{1}{r} BD$$

$$\rightarrow 9 FD \leq BD \rightarrow \frac{BD}{FD} \leq 9$$