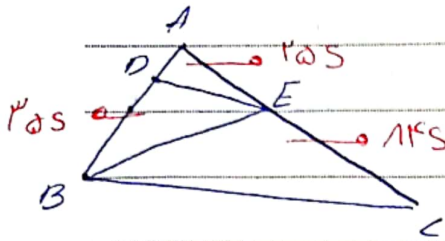


1. ۲۲

بازرسی دفتر C

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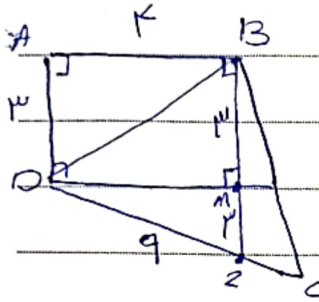
از هر ایل دانی



$$DE \parallel BC \quad \frac{S_{BCE}}{S_{BDE}} = \frac{1}{3} = \frac{1}{3} = \frac{1}{3} = \frac{1}{3} \quad -1$$

$$S_{ADE} = S_{BOE}$$

$$\frac{S_{ADE}}{S_{ABC}} = \left(\frac{1}{3}\right)^2 = \frac{1}{9}$$



$$\angle BDC = \angle BDM$$

$$\angle D_1 = \angle D_2$$

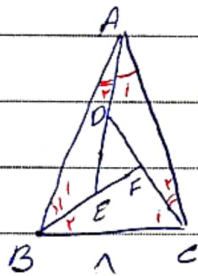
$$\angle MDO$$

$$\angle M_1 = \angle M_2 = 90^\circ$$

$$\triangle DMB \cong \triangle DMZ$$

$$\overline{DM} = \overline{DM} \quad \overline{DZ} = \overline{DM}$$

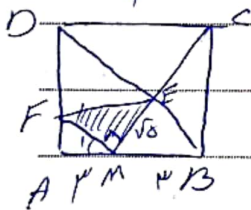
$$\rightarrow \angle B \text{ در } M \rightarrow \text{مربع} \rightarrow \angle D = \angle F \rightarrow \angle C = \angle F \rightarrow (2)$$



$$\angle ABF, \angle CAE, \angle BCD, \angle EFD, \angle DFC, \angle ADB, \angle AEC$$

$$\left. \begin{array}{l} \angle D_1 = \angle A_1 + \angle C_1 \\ \angle C_1 = \angle A_1 \end{array} \right\} \rightarrow \angle C = \angle D_1 \rightarrow \angle F = \angle B \rightarrow \angle E = \angle A \rightarrow \triangle DEF \sim \triangle ABC$$

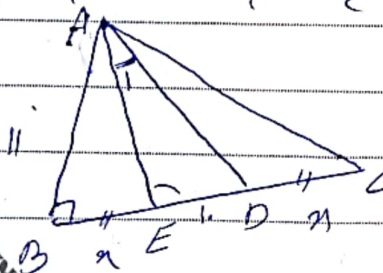
$$\frac{EF}{BA} = \frac{FD}{CB} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} \rightarrow \triangle A = \triangle B$$



$$\begin{aligned} MC &= \sqrt{5} \rightarrow \triangle CEN \sim \triangle MEB \rightarrow \frac{ME}{EC} = k = \frac{1}{2} \\ ME &= \sqrt{5} \quad \angle M = \angle C \quad \angle A = \angle B \end{aligned} \rightarrow \triangle FAM \sim \triangle BMC$$

$$\rightarrow \frac{ME}{MC} = k = \frac{1}{2} \rightarrow FM = \frac{\sqrt{5}}{2} \rightarrow S_{FME} = FM \times ME \times \frac{1}{2}$$

$$= \frac{\sqrt{5}}{2} \times \sqrt{5} \times \frac{1}{2} = \frac{5}{4} = \frac{5}{4}$$



$$\left. \begin{array}{l} \angle A_1 = \angle C_1 \\ \angle A_1 = \angle C_1 \end{array} \right\} \rightarrow \triangle AED \sim \triangle ACE \rightarrow \frac{DE}{EA} = \frac{EA}{EC}$$

$$\rightarrow \frac{1}{\sqrt{1+x^2}} = \frac{\sqrt{1+x^2}}{x+1} \rightarrow x = \sqrt{1+x^2}$$

$$x^2 - 1 \cdot x + 1 = 0 \rightarrow (x-1)(x-1) = 0$$



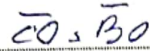
$$A \text{Exc} E_s (FB)^{\dagger} \rightarrow FB, \Delta \rightarrow BE_s E$$

$$\text{Prig. FEB} = \sqrt{1^2 + 14^2} = 14.5$$

$$P^N_{x, y}$$

91 - A

$$\sqrt{(K\sqrt{r})^2 + (L\sqrt{r})^2} = E\sqrt{1}$$



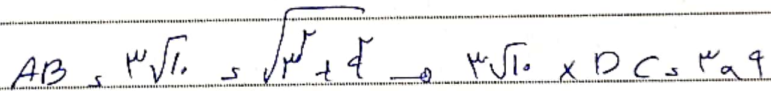
$$E_1 \rightarrow E_2 \text{ 590}$$

5000 F

$$\begin{matrix} \overline{CO}, \overline{BO} \\ \wedge \quad \wedge \end{matrix} \left\{ \begin{matrix} \overline{O_1O_2}, \overline{O_1O_3} \\ \wedge \quad \wedge \end{matrix} \right. \quad \triangle OEB \cong \triangle EC \rightarrow CE, BE, \sqrt{O}$$

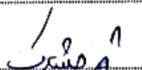
$$\sqrt{\frac{r}{r+E}} \cdot \sqrt{10} \leq BC \quad \left. \begin{array}{l} \hat{E}, \hat{D} \text{ p.} \\ \text{Group C} \end{array} \right\} \text{ii. } \triangle EC \sim \triangle OB \quad \text{K.S. } \frac{1}{r} \quad \triangle E = \frac{\sqrt{10}}{r}$$

$$OE^2 = OE \cdot AE \Rightarrow 0, \frac{\sqrt{8}}{2} \cdot EA = EA = 2\sqrt{8} \Rightarrow S_{ABCE} = \frac{\sqrt{8} \cdot 2\sqrt{8}}{2} = 8$$



$$DC = \frac{4}{\sqrt{10}}$$

$$\begin{aligned} CE \propto B \cdot s(DC)^P &\rightarrow CE \propto q \cdot \frac{1}{l_1} \xrightarrow{V_{10}} CE \propto \frac{q}{l_1} \\ \Rightarrow \underline{\underline{BE \propto \frac{1}{l_1}}} \end{aligned}$$



$$q \leq \hat{D} \leq \hat{B}$$

ii $\triangle DEA \sim \triangle ABC \rightarrow \frac{AD}{DE} = \frac{AC}{BC}$

$\overset{D}{CAB} \sim AC \sqrt{15+14}$

— BH-9,4

$$B^D/A \rightarrow AA \cup \sqrt{14} \cdot (9,4)^T \cup 1/A \quad AE \cup 9/K$$

$$dx, y, z \rightarrow x, y, z \rightarrow DE, y, z, \boxed{y, z}$$