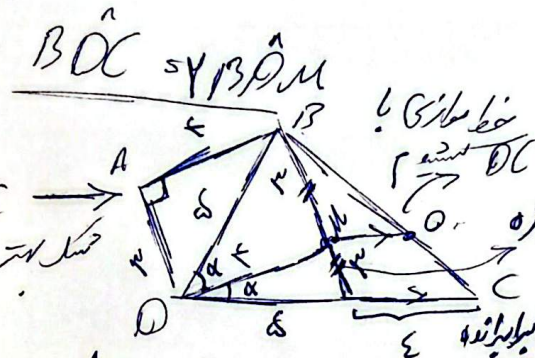
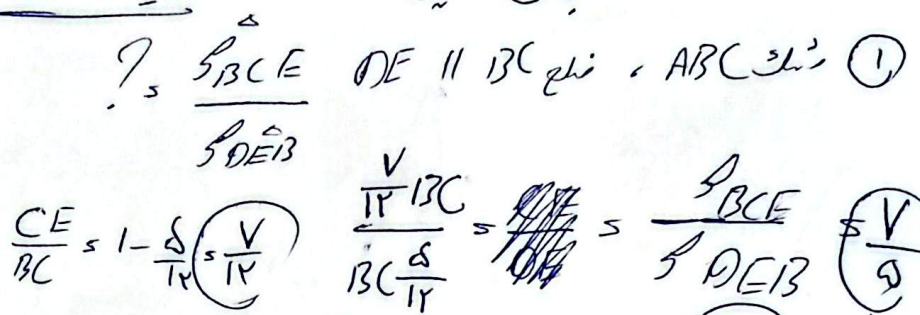
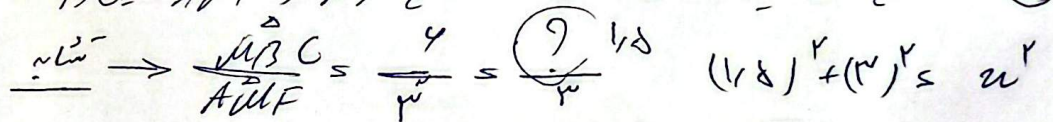


سید، سید



$ABC \rightarrow \text{مطلوبه}$ (4)
 $BNC \rightarrow \text{مطلوبه} \rightarrow \frac{BM}{BN} = \frac{AO}{NC}$
 $\rightarrow \frac{1}{4} = \frac{MO}{54}$

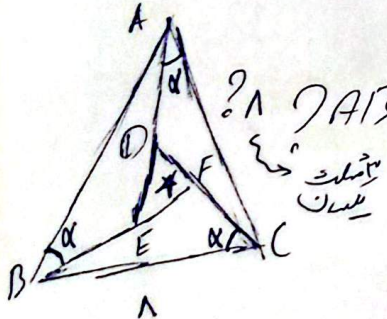
۴) در مربع کمال زیر نقطه M وسط ضلع AB و $ACEF$ است. مساحت ضلع $ACEF$ را بیابید.



$$w_y \leq \sqrt{w_y + q} \leq \sqrt{\frac{\epsilon \Delta}{w_y}}$$

$$\Rightarrow \cancel{x} y \leq \cancel{x} \sqrt{a} \Rightarrow y \leq \sqrt{a}$$

$$FEM = \frac{1}{r} \times \sqrt{a} \times \frac{r\sqrt{a}}{r} \times \frac{1s}{r} = (r, \sqrt{a})$$



Sol — In $\triangle F_5 P Q \cong \triangle E F$, $\hat{A R F} = \hat{C A E} = \hat{B C D}$ (M)

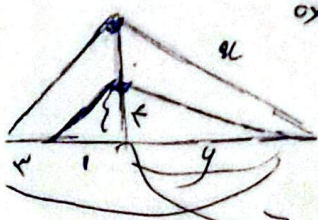
$$\begin{cases} \hat{F} = \hat{B} \\ \hat{D} = \hat{C} \\ \hat{E} = \hat{A} \end{cases} \Rightarrow \overset{\text{Satz}}{\hat{DEF}} \stackrel{\text{Satz}}{=} \hat{ABC}$$

$$\frac{AB}{r} = \frac{1}{r/d}$$

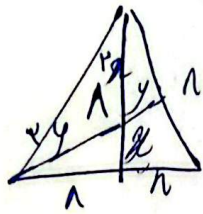
$$AB = \frac{\epsilon A}{\Delta} = 9.4$$

? BC செரிவி, $\angle OF = 1$, $EF \perp F$, $AD \perp \Pi$. $\angle ABC \leq \angle CED \leq 90^\circ$; $L_{12} \textcircled{5}$

$$\text{مثال ٢} \Rightarrow \mu^2 = CF \times AC \Rightarrow 70 \times 14 = 980 \rightarrow \sqrt{980} \Rightarrow \pm \sqrt{980}$$



$\rightarrow \Sigma^Y = 1 \times y \rightarrow 14$ $14p \Sigma = 10$



$$\left(\frac{1}{r}\right)^r + 4\varepsilon = \sqrt{\frac{4\varepsilon a}{q}} = \frac{1\sqrt{10}}{r}$$

$$y = \frac{1\sqrt{10}}{2} \quad , \quad y = \frac{2\sqrt{10}}{2}$$

μ

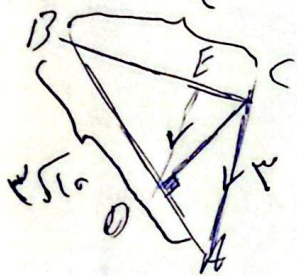
$\mu_g = \varepsilon \sqrt{10}$

$\mu_{\text{hs}} = 11$

$$Y^P + \varepsilon^P \leq Y_0 \rightarrow \sqrt{Y_0} \leq \sqrt{13C} \sqrt{b} \rightarrow \sqrt{b} \leq \frac{\sqrt{13C}}{2} \leq \frac{\sqrt{Y_0}}{Y} \leq \sqrt{A}$$

مسألة
بدون $\triangle ABE \cong \triangle BCD$ $\frac{\sqrt{4}}{2} = \frac{2}{\Sigma} \Rightarrow 2\sqrt{4}$

$$\frac{\sqrt{a} \times \sqrt{a}}{x} \quad \text{D}$$



ق ۵: BE سے BC ، DE ، AC اور AD کے درمیان

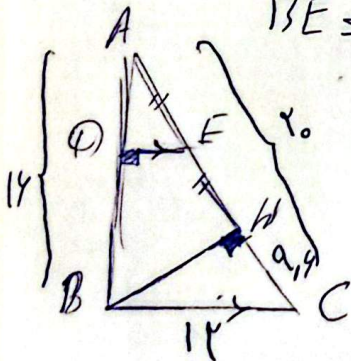
$$r^2 + 9 \leq \sqrt{90} \leq r\sqrt{10}$$

$$\frac{ABC}{BCD} = \frac{AC}{CD} = \frac{AB}{BD} = \frac{\sqrt{10}}{9} \quad \text{--- (2) ---}$$

$$\frac{BCD}{BDE} = \frac{CD}{DE} = \frac{BD}{BE} = \frac{9}{BD}$$

$$BE_s = \frac{\left(\frac{PV}{V_{10}}\right)^r}{q} = 1.1$$

$$\frac{13CD}{BDE} = \frac{CD}{DE} = \frac{BD}{DE} = \frac{9}{30}$$



2) DE خط، $\triangle ABC$ قائم، $BC = 11$ ، $AB = 19$ (10)

$$BH \times AC = AB \times BC \rightarrow BH = \frac{14 \times 12}{5} = 9,6$$

$$AC \leq \sqrt{14^2 + 14^2} \leq 20$$

Alle $\sqrt{14^2 \cdot 9,4^2} = (14,1) \rightarrow r_0 = 14,1 = (4,4) \in AE$

$$13C \parallel DE \rightarrow \text{Gul}^{-5} \frac{4, \Sigma}{40} \cdot \frac{9}{12} \Rightarrow ? \cdot \text{r, 1k}$$

۱۱ - ختم شد

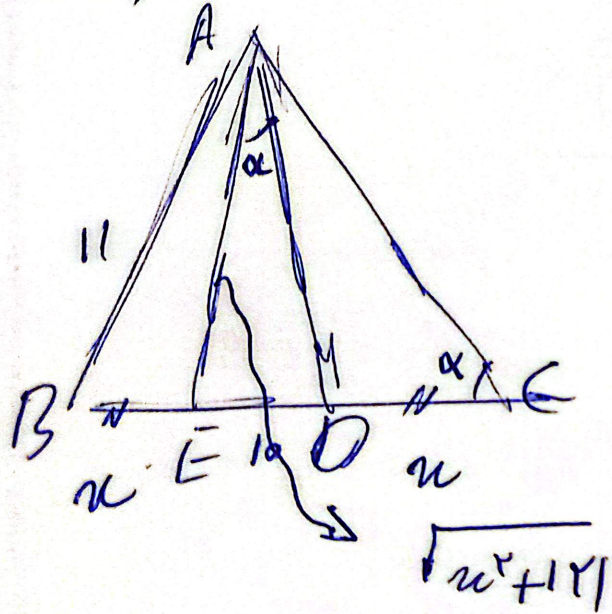
من اینجا بس دلم ننداست

وہر سازی کہ میں میں بد افتاد است۔

بِه. رِه تَوَسَّه بَرْدَارِم

قدم در راه بی برگشت بگذاریم بینم آسمان هر کجا آید همین رفت است؟

9. مسئله در مثل ABC داریم $BE = ED$ و $DA^2 = AD^2$ (داده)



$$\triangle ABE \sim \triangle AED$$

$$\left. \begin{array}{l} \angle A_1 = \angle A_1 \\ \alpha = \alpha \\ \angle E = \angle A \end{array} \right\} \Rightarrow \frac{\sqrt{u^2 + 12}}{10} = \frac{u + 10}{\sqrt{u^2 + 12}} \Rightarrow u^2 + 12 = 10u + 100$$

$$\Rightarrow u^2 - 10u + 12 = 0$$

$$u = 2, 8$$

$$(u - 2)(u - 8) = 0$$

مسئله