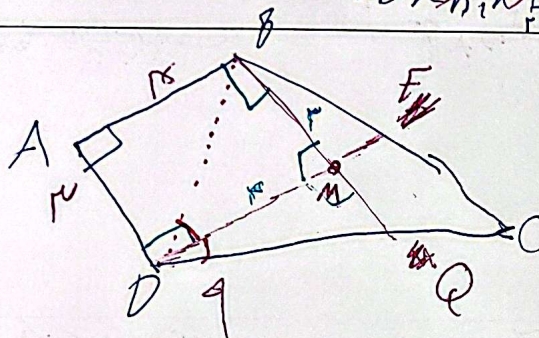


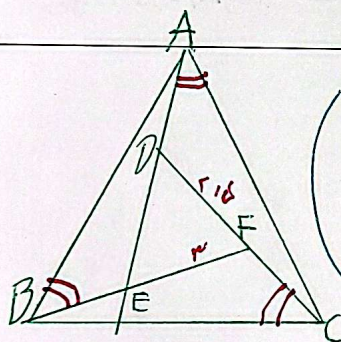
$$\frac{VE}{BC} = \frac{d}{15} \quad h_1 = h_r \Rightarrow \frac{3BC E}{8BD^3}$$

$$\frac{BC \times h_{BC}}{DE \times h_{DE}} = \frac{BC}{DE} = \frac{15}{5} \checkmark$$



DE

تحریر سیر ۳، ۱۴ داخل



$$F_1 = \langle v, b \rangle \text{ g } E_1 = \langle k, v, z \rangle \quad \Delta \hat{B}_c \simeq \Delta \hat{B}_f \Rightarrow \frac{\Delta \hat{B}_c}{\Delta \hat{B}_f} = \frac{EF}{AB}$$

$$\frac{\Delta \hat{B}_c}{\Delta \hat{B}_f} = \frac{EF}{AB} \Rightarrow \frac{r_{1,0}}{1} = \frac{r}{AB} \Rightarrow AB = 9,14 \text{ m}$$

فارسین زولفی و شمیم و علیم

نقشه به آسانتر
 $A \hat{M} F \approx M \hat{E} B \Rightarrow B \hat{M} C \sim A \hat{M} F \Rightarrow AF = \frac{C}{2} = \frac{1}{2}$

$$D_{F, \perp}^{\Delta} E = E_{\perp}^{\Delta} \beta \Rightarrow \kappa \propto \frac{1}{r} \Rightarrow M E \propto \frac{1}{r} C E$$

$$MC_2^r + r + r^2 \rightarrow MC_2 \sqrt{\alpha}$$

$$MF = \frac{CF}{r} \Rightarrow MF = \frac{C}{r} \sqrt{D}, CF = r \sqrt{D} \Rightarrow MF = \frac{1}{\epsilon + 1} \Rightarrow MF = \frac{C}{r} \sqrt{D} \rightarrow \delta MF = \frac{1}{r} \Delta \sqrt{D} \frac{r}{\sqrt{D}}$$

$$\delta MF = \frac{1}{\epsilon} \checkmark$$

$$F_{53} \text{ 9 } \hat{A}C \hat{2} \hat{A}C \hat{D} \Rightarrow A \hat{E} \hat{C} \simeq A \hat{D} \hat{E} \Rightarrow \text{no}$$

$$\triangle CAE \cong \triangle AED \rightarrow \frac{AE}{ED} = \frac{EC}{AE} \rightarrow \frac{\sqrt{n^2+1}}{1} = \frac{n+1}{\sqrt{n^2+1}}$$

$$\rightarrow \begin{cases} u \in \mathbb{R} \\ u \in \mathbb{V} \end{cases}$$

$$E_1 + E_2 = 9 + 9 + 0 = 18$$

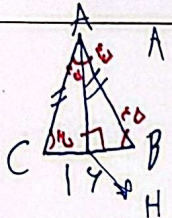
$$ED^2 = EF^2 + DF^2 \quad 14^2 + 1^2 = 15^2 \Rightarrow ED = 15$$

$$ED \approx EF \rightarrow 9.8 \text{ و } 10$$

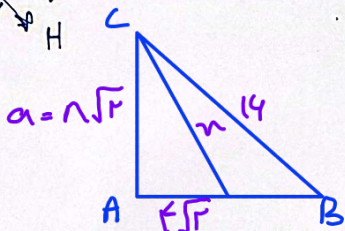
$$\frac{FC}{EF} = \frac{EF}{DF} \Rightarrow FC = 14 \times \frac{EF}{DF}$$

$$BC^2 = BF^2 + FC^2 = 8^2 + 14^2 = 17^2 \Rightarrow BC = 17$$

$$BC = 17 \checkmark$$



$$AH^2 + BH^2 = AB^2 \Rightarrow 14^2 + 8^2 = AB^2 \Rightarrow AB = 17$$



$$a^2 + a^2 = (14)^2 \rightarrow a = 10\sqrt{2}$$

$$m^2 = (10\sqrt{2})^2 + (5\sqrt{2})^2 \rightarrow m = 25$$

$$\triangle BEC \rightarrow EB = EC = 10$$

$$BC = 17$$

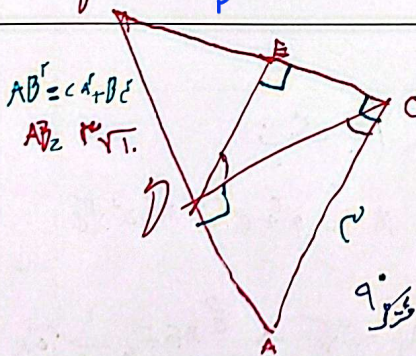
شكل ذوزنقة قائم الزاوية

$$BC = 17$$

$$BE = EC = 10$$

$$\triangle AEC \sim \triangle BCD \rightarrow \frac{2}{10} = \frac{4}{AE} \rightarrow AE = 20$$

$$S_{\triangle BEC} = \frac{1}{2} \times 10 \times 10 = 50$$

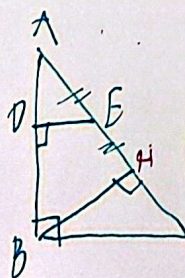


$$\triangle DCA \sim \triangle ABC \rightarrow \frac{DC}{BC} = \frac{AC}{AB}$$

$$\frac{12}{9} = \frac{17}{10} \Rightarrow DC = \frac{9 \times 17}{10} = 15.3$$

$$\frac{DE}{BA} = \frac{CE}{AC} \Rightarrow CE = \frac{AC \times DE}{BA} = \frac{17 \times 10}{17} = 10$$

$$BC = 9 \text{ و } BC = CE + EB = 9 + 10 = 19 \Rightarrow BE = 10 \checkmark$$



$$AB = 17 \quad BC = 17 \quad AC = 17 \Rightarrow \triangle ABC \text{ is equilateral}$$

$$AC = 17 \text{ و } AC = 17 \text{ و } AC = 17$$

$$\triangle HBC \sim \triangle ABC \rightarrow \frac{BC}{AC} = \frac{HC}{BC} \Rightarrow HC = \frac{BC^2}{AC} = \frac{17^2}{17} = 17$$

$$\frac{17}{17} = \frac{HC}{17} \Rightarrow HC = 17$$

$$\frac{DE}{BC} = \frac{AE}{AC} \Rightarrow \frac{DE}{17} = \frac{17}{17} \Rightarrow DE = 17$$