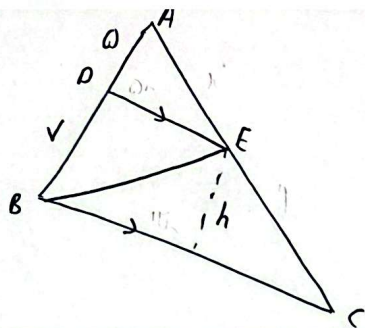
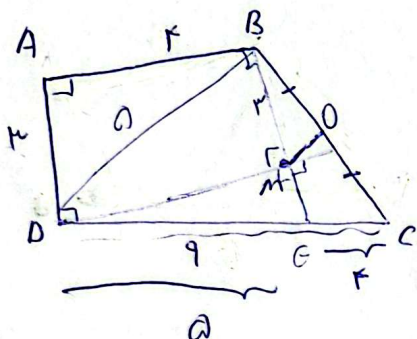




$$\frac{AD}{AB} = \frac{DE}{BC} = \frac{h_1}{h} \rightarrow DE = 12h$$

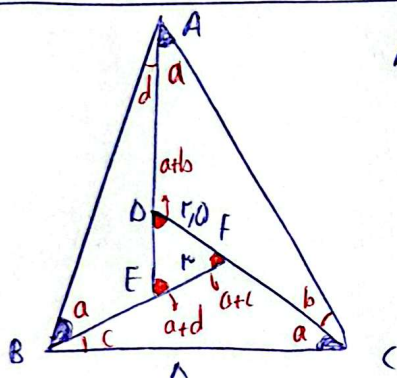
$$BDE, BEC \rightarrow h_1 = h_r \rightarrow \frac{S_{BCE}}{S_{BDE}} = \left[\frac{12}{1} \right] = 12$$

ایضا: سیم زاویه - تطبیق ۲۲ - یازدهم، رستر B



$$D_1 = D_r \rightarrow DHG \cong DMB \rightarrow DB = DG = 12$$

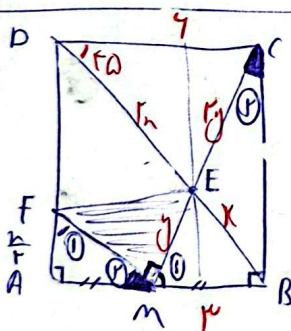
$$\frac{BM}{BE} = \frac{MO}{FC} = \frac{h}{9} = \frac{1}{3} \rightarrow MO = 3$$



$$\hat{A}BF = \hat{CAE} = \hat{BCD}$$

$$\frac{DF}{EF} = \frac{BC}{AB} \rightarrow \frac{r, 9}{r} = \frac{1}{h} \rightarrow h = 9, 9$$

$$\begin{aligned} F &= B = a + c \\ D &= C = a + b \\ E &= A = a + d \end{aligned}$$



$$\hat{BCE} = \hat{AMF}$$

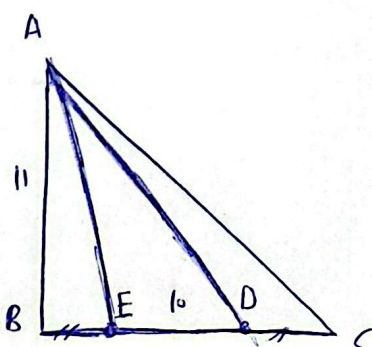
$$\tan \theta = \frac{AM}{AF} = \frac{BC}{MB} \rightarrow AF = \frac{r}{y}$$

$$MF = \sqrt{r^2 + \frac{9}{y}} = \frac{r\sqrt{y}}{y}$$

$$DCE, MEF \rightarrow \frac{DCE}{MBE} = r \rightarrow y = \sqrt{r^2 + r^2} \rightarrow \sqrt{r^2} = r\sqrt{2}$$

$$SFEM = \frac{1}{r} \times MF \times EM = \frac{1}{r} \times \frac{r\sqrt{y}}{y} \times \sqrt{y} = \frac{10}{r}$$

$$y = \sqrt{2}$$



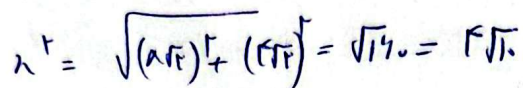
$$\hat{\alpha} = \hat{\alpha} \rightarrow \hat{E} = \hat{E} \rightarrow \hat{D}_1 = \hat{A} \rightarrow \frac{AE}{ED} = \frac{EC}{AE}$$

$$\Rightarrow \frac{\sqrt{h^2 + 121}}{1} = \frac{h + 1}{\sqrt{h^2 + 121}} \rightarrow h^2 + 121 = h + 1 \rightarrow \begin{cases} h = 11 \\ h = 1 \end{cases}$$



9

$-V$



9

$$\frac{1}{L} AO \times OE = OC \rightarrow AO \times \frac{\sqrt{L}}{F} = \left(\frac{Q}{t}\right)^T \rightarrow AO = \frac{Q}{t\sqrt{L}}$$

$$\rightarrow S_{ARSE} = \frac{1}{F} \times \sqrt{L} \left(\frac{t\sqrt{L}}{t}\right) = \underline{\underline{Q}}$$



5

$$BE = \frac{r_v \times r_v}{q_c} = \underline{\underline{1/1}}$$



$$A(xAH) = AB^T \rightarrow xAH = B^T$$

9

$$\rightarrow DE = \frac{1}{2} AF$$