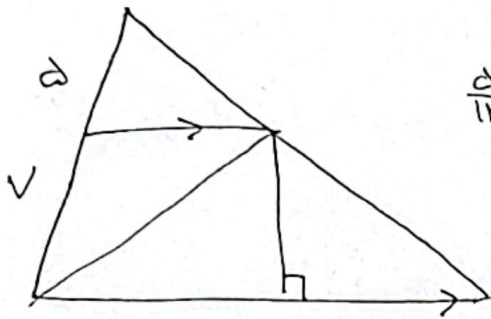
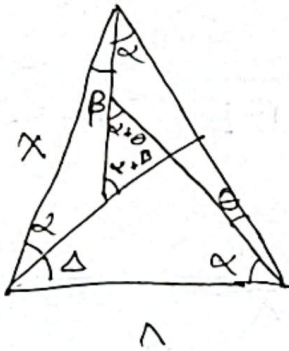




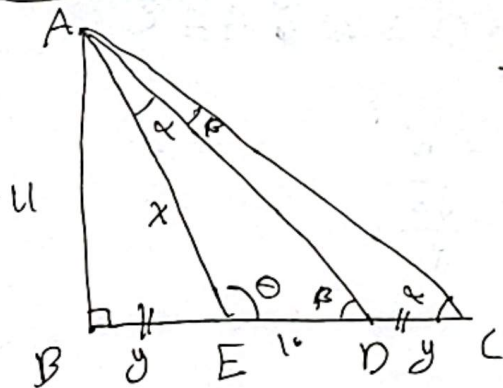
$$\frac{a}{h} = \frac{DE}{BC}$$

$$S_{\triangle EBC} = \frac{h \times BC}{2} \quad S_{\triangle EDB} = \frac{h \times DE}{2}$$

$$\frac{S_{\triangle EDB}}{S_{\triangle EBC}} = \frac{\frac{h \times DE}{2}}{\frac{h \times BC}{2}} = \frac{DE}{BC} \Rightarrow \frac{14}{a} = \frac{BC}{DE}$$



$$\frac{14}{a} = \frac{A}{h} \Rightarrow a = 14$$

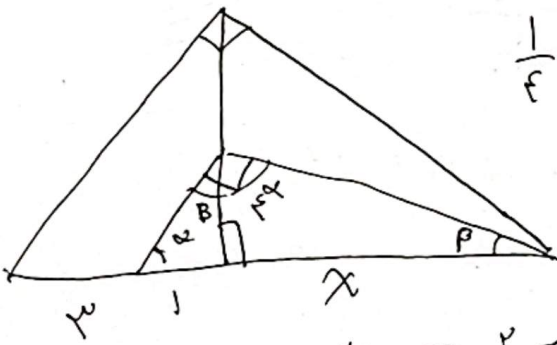


$$\frac{14}{a} = \frac{A}{h}$$

$$a^2 = 14 + 14$$

$$14 + 14 = a^2$$

$$a^2 - 14 + 14 = 0 \Rightarrow a = 14$$

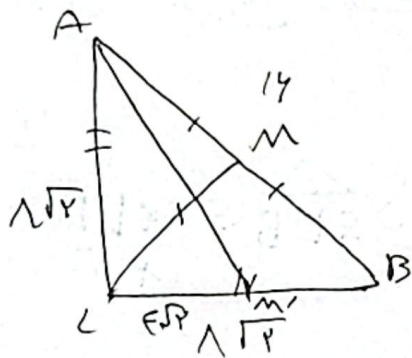


$$\frac{1}{f} = \frac{f}{x} \Rightarrow x = 14$$

$$14 \times f = h^2 \Rightarrow h = 1$$

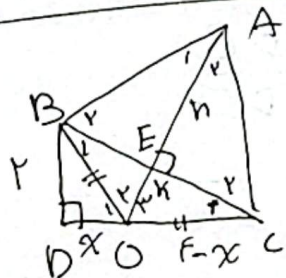
$$14 + 14 = BC^2 \Rightarrow BC = 1\sqrt{2}$$

$$14 + 14 = BC^2 \Rightarrow BC = 1\sqrt{2}$$



بنايه نقطه دتر اے اسے مثلث قائم الزاويہ اے

$$\Rightarrow AM' = BM'' = 4\sqrt{2}$$



$$\left. \begin{array}{l} BO = CO \\ OE = OE \end{array} \right\} \Rightarrow \triangle BOE \cong \triangle COE$$

(13)

$$\left. \begin{array}{l} BE = CE \\ AE = AE \\ \angle E_1 = \angle E_2 \end{array} \right\} \Rightarrow \triangle ABE \cong \triangle ACE$$

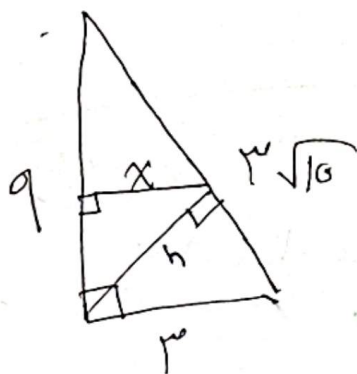
$$x + y = (x - y)^2 \Rightarrow 1x = 1y \Rightarrow x = \frac{1y}{1}$$

$$BC = 2\sqrt{2} \Rightarrow BE = EC = \sqrt{2}$$

$$\angle B_1 + \angle C_1 = 90^\circ \Rightarrow \angle A_1 = \angle B_1 = \angle C_1 \Rightarrow \triangle ABE \cong \triangle ACE$$

$$\Rightarrow \frac{h}{\sqrt{2}} = \frac{\sqrt{2}}{2} \Rightarrow h = \sqrt{2} \left(\frac{2}{1} \right)^2 - 2 = h' \Rightarrow h' = \frac{\sqrt{2}}{2}$$

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

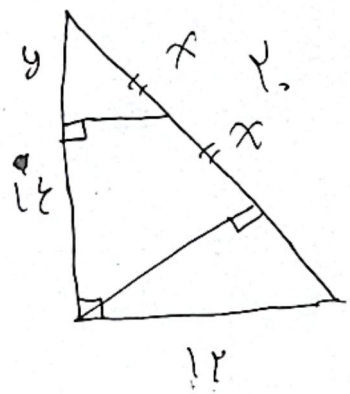


$$\frac{3\sqrt{10}}{9} = \frac{\sqrt{10}}{3} = \frac{h}{x} \Rightarrow h = \frac{9}{\sqrt{10}}$$

(19)

$$\Rightarrow \frac{9}{\sqrt{10}} = \frac{\sqrt{10}}{3} \Rightarrow x = 2.17$$

$$\frac{9}{3} = \frac{BE}{2.17} \Rightarrow 1.1 = BE$$



$$\frac{lp}{x} = \frac{lc}{lp} \Rightarrow V, P = H, C$$

$$\frac{y - lc}{p} = x = x, f$$

$$\frac{y}{x, f} = \frac{lp}{x} \Rightarrow \boxed{x = y, \wedge f}$$