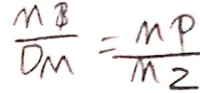
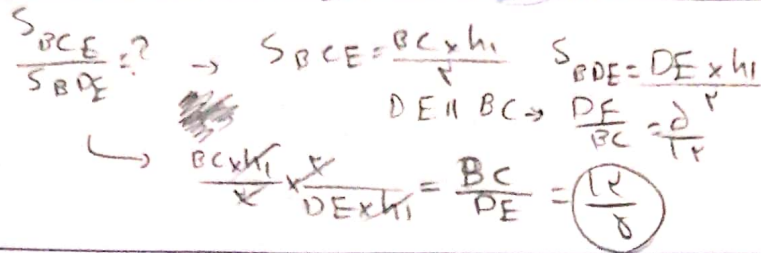
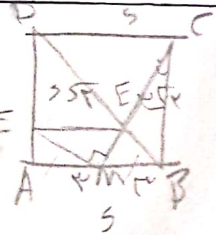
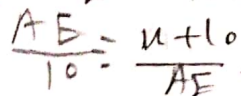


امیر فروزان


$$EDF \approx ABC \rightarrow \frac{r/d}{\lambda} = \frac{r}{AB} \rightarrow r_c = r/dAB \rightarrow AB = 9.15$$

$$\frac{BC}{AM} = \frac{CE}{MF} \rightarrow MF = CE \rightarrow \frac{CE}{r} = MF \rightarrow \frac{r \sin \theta}{r} = MF \rightarrow \sin \theta = MF$$
$$\frac{AE}{AD} = \frac{AD}{AC} \rightarrow AD^2 = AE \cdot AC$$


$$AEY = 104 + 130$$

$$AE = |r| + n^2 \rightarrow \infty$$

$$1Y + nY = 10n + 100$$

$$\leftarrow n^p - 10n + 1$$

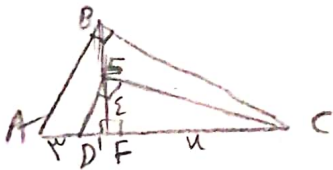
$$A \mathbb{F} = \mathbb{F}$$
$$ABC \cong CEE$$

$$\frac{P_C}{\Sigma} = \frac{2+11}{\Sigma}$$

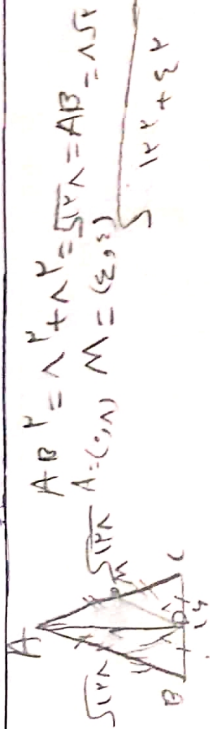
$$AB^T = \zeta^T + \xi^T = \mu^T \rightarrow \sum \mu_i \cdot A_i B_i$$

$$B \subset \mathbb{R}^n = \{x + u \mid x \in A, u \in B\}$$

$$- \cancel{2} \times \frac{9+9}{2} = \textcircled{1}$$



مسئله گزینش

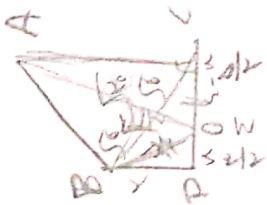


$$AB^2 = \sqrt{1^2 + 1^2} = \sqrt{2} \Rightarrow AB = \sqrt{2}$$

$$A = (0,1) \quad M = (2,2)$$

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

$$BD = x \quad CD = z \quad \triangle ADE \sim \triangle ABC$$



$$BC \Rightarrow \sqrt{2^2 + 2^2} = \sqrt{8} = 2\sqrt{2}$$

$$ABE \sim AEC \quad \sqrt{8} = \sqrt{2} \Rightarrow AE = \sqrt{2}$$

$$S = \frac{\sqrt{2} \times \sqrt{8}}{2} \Rightarrow \frac{\sqrt{2} \times 2\sqrt{2}}{2} = 2$$

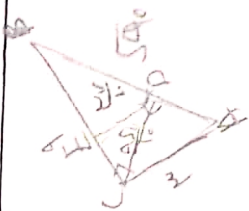
$$BD^2 = u^2 + z \Rightarrow \sqrt{2} = u + z \Rightarrow u = \frac{z}{2}$$

$$AE = \sqrt{2} \Rightarrow \frac{z}{2} = \sqrt{2} \Rightarrow z = 2\sqrt{2}$$

$$BE = ?$$

$$AC = 2 \quad BC = 2$$

$$\sqrt{2^2 + 2^2} = \sqrt{8} = 2\sqrt{2} = AB$$



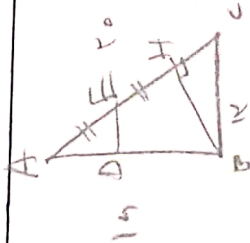
$$CD \times \sqrt{8} = 2 \times \sqrt{2} \Rightarrow CD = \frac{2 \times \sqrt{2}}{\sqrt{8}} = \frac{2 \times \sqrt{2}}{2\sqrt{2}} = 1$$

$$\frac{2}{2} = \frac{\sqrt{2}}{\sqrt{8}} \Rightarrow ED = \frac{\sqrt{2}}{\frac{2\sqrt{2}}{2}} = 1$$

$$\frac{BE}{\sqrt{2}} = \frac{1}{\frac{2\sqrt{2}}{2}} \Rightarrow \frac{BE}{\sqrt{2}} = 1 \Rightarrow BE = \sqrt{2}$$

$$BC = 2 \quad DE = ?$$

$$AB = 2$$



$$\sqrt{2^2 + 2^2} = \sqrt{8} = 2\sqrt{2} = AC$$

$$2\sqrt{2} \times \sqrt{2} = 4 \Rightarrow 4 = 2\sqrt{2} \Rightarrow DE = \sqrt{2}$$

$$\frac{DE}{\sqrt{2}} = \frac{2\sqrt{2}}{2\sqrt{2}} \Rightarrow DE = \sqrt{2}$$

$$\frac{CH}{\sqrt{2}} = \frac{2\sqrt{2}}{2\sqrt{2}} \Rightarrow CH = \sqrt{2}$$