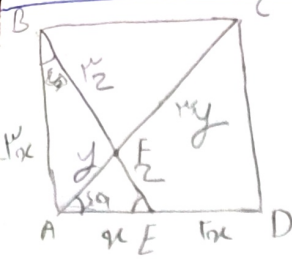


1



$$ED = 2AE$$

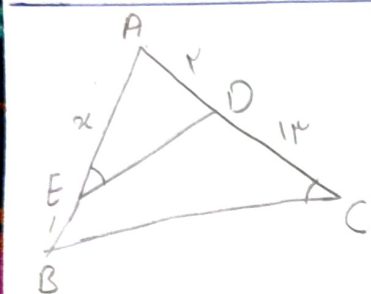
$$AC \rightarrow \sqrt{2}x = 2y \rightarrow y = \frac{\sqrt{2}}{2}x = AF$$

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

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

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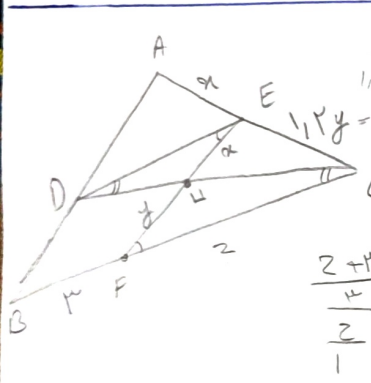
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$$\hat{E} = \hat{C} \quad \hat{A} = \hat{A} \quad \left\{ \begin{array}{l} \text{ii} \\ \text{iii} \end{array} \right\} \Rightarrow \triangle AED \sim \triangle ACB \Rightarrow \frac{AE}{AC} = \frac{AD}{AB} = \frac{ED}{CB}$$

$$x = x(m+1) \rightarrow \boxed{x = 2}$$

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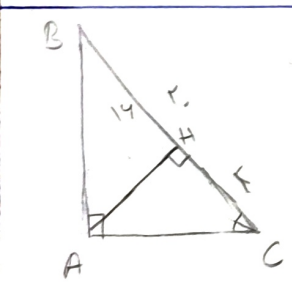
$$DE \parallel BC \xrightarrow{\text{ii}} \frac{DE}{BC} = \frac{AD}{AB} = \frac{AE}{AC} = \frac{1}{3} \Rightarrow \frac{DE}{2+3} = \frac{1}{3} \Rightarrow \frac{DE}{5} = \frac{1}{3} \Rightarrow DE = \frac{5}{3}$$

$$\triangle DHE \sim \triangle HFC \xrightarrow{\text{ii}} \frac{DE}{FC} = \frac{DH}{HC} = \frac{EH}{HF} = \frac{1}{2} \Rightarrow \frac{DE}{2} = \frac{1}{2} \Rightarrow DE = 1$$

$$\frac{2+3}{1} = \frac{2+3}{2} = \frac{1}{2} \Rightarrow 2+3 = 9 \Rightarrow 5 = 9 \Rightarrow 2 = 1 \Rightarrow 10 = 2 \Rightarrow \frac{10}{2} = 5 \Rightarrow \frac{10}{2} = 5 \Rightarrow \frac{10}{2} = 5$$

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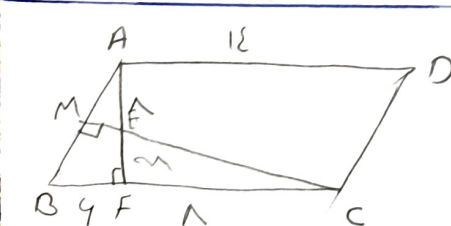
$$\hat{C} = \hat{C} \quad \hat{H} = \hat{A} \quad \left\{ \begin{array}{l} \text{ii} \\ \text{iii} \end{array} \right\} \Rightarrow \frac{AH}{AB} = \frac{AC}{BC} = \frac{HC}{AC} \Rightarrow (AC)^2 = AB \cdot BC \Rightarrow AC = \sqrt{AB \cdot BC}$$

$$\frac{AB}{AC} = \frac{AC}{BC} = \frac{1}{2} \Rightarrow AC = \sqrt{AB \cdot BC} = \sqrt{1 \cdot 2} = \sqrt{2}$$

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$$AB^2 = AC \cdot BC = 1 \cdot 2 = 2 \Rightarrow AB = \sqrt{2}$$

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$$\triangle CEF \sim \triangle AFB \xrightarrow{\text{ii}} \frac{CF}{AB} = \frac{CE}{AF} = \frac{EF}{FB} = \frac{1}{2} \Rightarrow \frac{CF}{2} = \frac{1}{2} \Rightarrow CF = 1$$

$$AF = 1$$

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$$14, \omega = r, \omega y$$

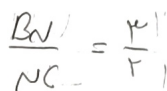
$$(AD)^T = x \times F_{xx} = F_{xx}^T \Rightarrow AD = F_{xx}$$

$$(AB)^T = 1\% \times 1\% = 1\% \Rightarrow AB = 1\% \times 1\%$$

$$(AH)^P = \alpha \times \mu_m \Rightarrow AH = \sqrt{\mu_m}$$

$$S_{ADH}^A = \frac{x \times \sqrt{x}}{r} = \frac{\sqrt{x}}{r} x^r$$

$$S_{ABCD} = r \times r \sqrt{2} = r \sqrt{2} r \quad \left\{ \rightarrow \frac{S_{ABCD}}{S_{ADH}} = \frac{r \sqrt{2} r}{\frac{r^2}{\sqrt{2}}} = 1 \right.$$



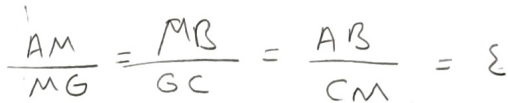
$$S_{ABC} = AB \times BC \times \sin B \times \frac{1}{2}$$

$$S_{AMN} = BN \times BM \times \sin B \times \frac{1}{2}$$

$$\Rightarrow \frac{AB}{BM} = \frac{9}{2} \Rightarrow \frac{BM}{AB} = \frac{2}{9}$$

$$\Rightarrow \frac{AB \times \Delta x}{\Delta x} = \mu$$

$$BM = \omega m \rightarrow MA = \Sigma x \{ \Rightarrow \frac{BM}{MA} = \frac{\Delta}{\Sigma} = 1,12 \times \frac{w}{x}$$



$$K_{x+y} = K_y \Rightarrow K_x = K_y \rightarrow \frac{K}{v} x = y$$

~~$$\left(\frac{K}{1+r}\right)^T + x^T = 1 \Rightarrow \frac{14}{9}x^T + x^T = 1 \Rightarrow \frac{23}{9}x^T = 1 \Rightarrow x = \frac{9}{23}$$
$$y = \frac{14}{9} \Rightarrow \sum_{t=0}^{\infty} \left(\frac{14}{9}\right)^t = 104 = 104.12\% \quad y = \frac{K}{1+r}$$~~

$$K_y = \frac{14}{1} \Rightarrow$$

$$\# \quad \gamma = \gamma_x \rightarrow \gamma_y = \varepsilon_x$$

$$\Rightarrow 12x + 12x = 4x$$

$$YD = 42$$

$$F_D = 1$$

$$\frac{BD}{FD} = 9 \quad \angle BD = 12y \quad \xrightarrow{y=y_m} FD = 4$$

$$\Rightarrow \frac{Bb}{Fb} = \boxed{4}$$



$$\left\{ GF = \frac{ky}{\frac{1}{k}} \rightarrow \frac{BD}{FD} = \frac{ky}{\frac{1}{k}y} = 4 \right.$$

$$FD = \frac{1}{\mu} y$$