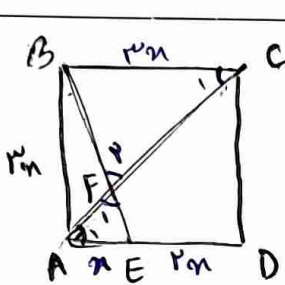
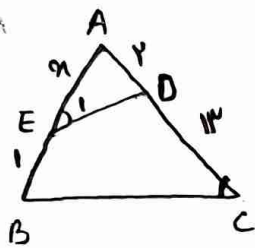


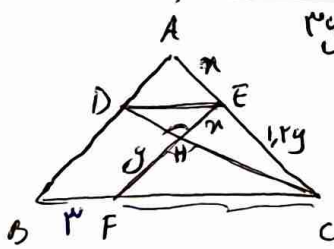
نام و نام خانوادگی: کلاس: شماره: پاسنامه تشریحی تکلیف شماره ۲۱



$$\begin{aligned} \hat{A}_1 = \hat{C}_1, \hat{F}_1 = \hat{F}_2 \} \triangle AFB \sim \triangle CFB \quad \frac{AE}{BE} = \frac{BF}{FE} = \frac{CF}{AF} = \frac{1}{2} \\ BE^2 = 9m^2 + m^2 \rightarrow BE = \sqrt{10}m = 2FE \Rightarrow FE = \frac{\sqrt{10}}{2} \\ AC^2 = 9m^2 + 4m^2 \rightarrow AC = \sqrt{13}m = 2AF \Rightarrow AF = \frac{\sqrt{13}}{2} \\ \frac{EF}{AF} = \frac{\frac{\sqrt{10}}{2}}{\frac{\sqrt{13}}{2}} = \left(\frac{\sqrt{10}}{\sqrt{13}} \right) \end{aligned}$$

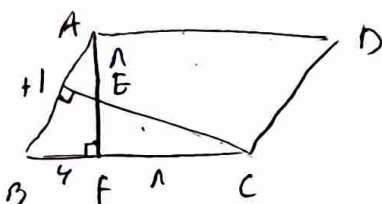


$$\begin{aligned} \hat{A} = \hat{A}, \hat{E}_1 = \hat{C} \} \triangle AED \sim \triangle ACB \quad \frac{AE}{AC} = \frac{AD}{AB} = \frac{ED}{BC} \\ \frac{m}{10} = \frac{p}{m+1} \quad m(m+1) = 10 \\ \underline{m=8} \end{aligned}$$

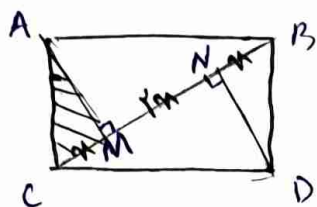


$$\begin{aligned} \triangle ABC \text{ مثلث قائمه } \frac{m}{m+10} = \frac{DE}{FC+10} \xrightarrow{DE=10} \frac{m}{m+10} = \frac{10}{FC+10} \Rightarrow DE = FC+10 \\ H_1 = H_2, E_1 = F_1 \} \triangle DHE \sim \triangle CHF \Rightarrow \frac{DE}{FC} = \frac{EH}{FH} = \frac{m}{y} \xrightarrow{y=10} \frac{m}{10} \\ \text{و } DE = \sqrt{FC^2 + 10^2} \Rightarrow \sqrt{FC^2 + 10^2} = FC + 10 \Rightarrow DE = 9 \Rightarrow FC = \frac{10}{9} \end{aligned}$$

$$\begin{aligned} AH^2 = 1 \times 14 \\ AH = 1 \\ \Rightarrow AB = \sqrt{1^2 + 14^2} = \sqrt{197} \\ \Rightarrow AC = \sqrt{1^2 + 14^2} = \sqrt{197} \\ \frac{\sqrt{197}}{\sqrt{197}} = \left(\frac{1}{2} \right) \Rightarrow \frac{1}{2} \end{aligned}$$



$$\begin{aligned} AB^2 = AF^2 + BF^2 \Rightarrow AB = \sqrt{AF^2 + 4} \\ S = BC \times AF = 12 \times AF = AB \times CH \\ \triangle ABF \sim \triangle EFC \quad \frac{AF}{FC} = \frac{BF}{EF} \quad \frac{AF}{1} = \frac{4}{AF-1} \\ \Rightarrow AF^2 - 1 \times AF - 4 = 0 \quad AF = 14 \end{aligned}$$



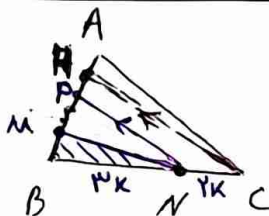
$$AM^T = m \times r_m \rightarrow AM = \sqrt{r_m}$$

سوال ۷

$$S = Y S_c = Y \left(\frac{\sqrt{m} \times E_m}{Y} \right) = E \sqrt{m} Y$$

$$\text{Average } S = \frac{\sqrt{m \times m}}{r} = \frac{\sqrt{m}}{r} r$$

$$\frac{25 \times 2}{\frac{25}{2} \times 2}$$

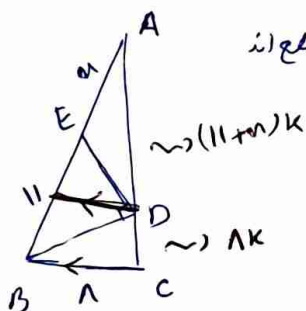



$mn \parallel CH: \Rightarrow \frac{BN}{BC} = \frac{PN}{HC} = \frac{3}{8} \Rightarrow \frac{OPN}{CH} = \frac{3}{8}$

$$S_{BMN} = \frac{PN \times MB}{r \times CH}$$

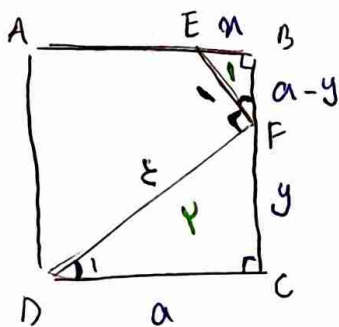
$$S_{ABC} = \frac{\cancel{CH} \times AB}{\cancel{x}} = \frac{1 \times \frac{9}{8} \times MB}{\cancel{x}} \Rightarrow AB = \frac{9}{8} MB$$

$$\frac{MB}{AB} = \frac{\delta}{a} \quad \rightarrow \quad \boxed{\frac{MB}{MA} = \frac{\delta}{\epsilon}}$$



نسبت به نسبت دو ضلع زاویه مقابل یکدیگر مساوی است

2. - AB_3 - گیس



$$\Delta_1 \sim \Delta_2 \Rightarrow \frac{DC}{BF} = \frac{FC}{EB} \Rightarrow \frac{DF}{FE} \in$$

$$(\hat{F}_1 = \hat{O}_1, \hat{B} \hat{S} \hat{C})$$

$$\Rightarrow \frac{a}{a-y} = \varepsilon \Rightarrow a = \frac{\varepsilon}{1-\varepsilon} y, \quad \frac{y}{a} = \frac{1}{\varepsilon} \quad \pi = \frac{y}{\varepsilon}$$

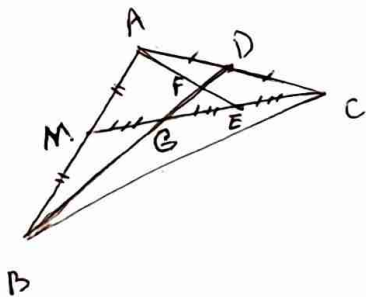
$$n^p + (n-y)^p = 1$$

$$\frac{y^2}{16} + \left(\frac{x}{2}y - y\right)^2 = 1$$

$$S_{\text{arr}} = \frac{404}{48}$$

$$a = \frac{19}{8}$$

$$\left(\frac{14+9}{188}\right) y_3 = 1 \quad \boxed{y = \frac{14}{x}} \Rightarrow a = \frac{14}{x}$$



مرکز نقل و حمل به صورت عیانه

مساحت به نسبت ۱ به ۲ قطع ۲ ضلع

افضل افطی عوارض اسم محدود به شکل افندہ ہے اور $FD = BD - FB$ ۔

$$\frac{BD}{ED} = ? \dots$$

2