

نام و نام خانوادگی: شماره: ۹۱۰۰ کلاس: یازدهم ریاضی ۱ پاسخنامه تشریحی تکلیف شماره ۹۱۰۰

$A(4, -4), B(2, 1) \xrightarrow{\text{نقطه وسط}} x_m = \frac{4}{2} = 2, y_m = \frac{-4}{2} = -2 \Rightarrow M = (2, -2)$

$\rightarrow m = \frac{1 - (-4)}{2 - 4} = -\frac{5}{2} \xrightarrow{m \cdot m' = -1} m' = \frac{1}{5/2} = \frac{2}{5}$

$M = (2, -2), m' = \frac{2}{5} \rightarrow y = \frac{2}{5}x + \frac{f}{5}$

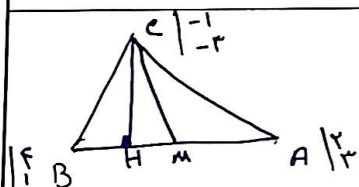
$A = (2, 1) \quad B = (-4, 5) \quad C = (-1, 3)$

$S = \frac{1}{2} \begin{vmatrix} 2 & -4 & -1 \\ 1 & 5 & 3 \\ 1 & 1 & 1 \end{vmatrix} = \frac{1}{2} (1) = \frac{1}{2}$

$\overline{BC} = \sqrt{4^2 + 4^2} = \Delta \xrightarrow{\frac{\Delta}{2} \times AH = \Delta} \overline{AH} = r \rightarrow \overline{BC} - \overline{AH} = r$

$xy - ax - yz = 0 \quad , \quad yz - yx - yz = 0 \rightarrow a = -r$

$\left. \begin{matrix} xy - yx - yz \\ xy - yx - yz \end{matrix} \right\} \rightarrow d = \frac{1}{2\sqrt{a}} = rR \rightarrow R = \frac{r}{\sqrt{a}} \rightarrow S = \frac{a}{2} \pi$



$m = \frac{y+f}{x+f} = \frac{2+1}{-4+1} = -\frac{3}{3} = -1 \rightarrow d = \sqrt{(0.5)^2 + (0.5)^2} = \frac{\sqrt{2}}{2}$

$m_{AB} = \frac{y}{-x} = -1 \rightarrow \overline{AB} \rightarrow y = -x + \Delta$

$m_{CH} = 1 \rightarrow \overline{CH} \rightarrow y = x - 2$

$\left. \begin{matrix} yx = y \\ yx = y \end{matrix} \right\} \rightarrow yx = y \rightarrow x = \frac{y}{y}, y = \frac{x}{x} \rightarrow H \left(\frac{y}{y}, \frac{x}{x} \right)$

$(3m-r)x + (\Delta-m)y - y = 0 \rightarrow m = \frac{3m-r}{m+\Delta} \quad | \quad (m+1)x - (3m-r)y + 1 = 0 \rightarrow m' = \frac{m+1}{3m-r}$

$\rightarrow m \cdot m' = -1 \rightarrow \frac{3m-r}{m+\Delta} \times \frac{m+1}{3m-r} = \frac{3m^2 + m - r}{3m^2 - 15m + 2} = -1 \rightarrow 3m^2 + m - r = -3m^2 + 15m - 2$

$\rightarrow \Delta m \times \frac{1}{\Delta} m + 1 = 0 \rightarrow m = -1, \frac{1}{\Delta} \xrightarrow{\text{دانش معادله}} \text{جواب نهایی}$

$$AB \rightarrow y = \frac{1}{3}x + \frac{1}{3} \quad AC \rightarrow y = 3x - 1 \quad BC \rightarrow y = -x + 1$$

$\rightarrow A = \begin{pmatrix} 1 \\ 1 \end{pmatrix}, B = \begin{pmatrix} 1 \\ 1 \end{pmatrix}, C = \begin{pmatrix} 1 \\ 1 \end{pmatrix} \rightarrow \mu = \frac{1}{\sqrt{2}}$

$$A_H \rightarrow \frac{|1 + 1 - r|}{\sqrt{r}} = \sqrt{r} \quad , \quad A_M = \sqrt{\left(\frac{V}{r}\right)^r + \left(\frac{1}{r}\right)^r} \quad , \quad \frac{\sqrt{r}}{r} = \frac{\Delta \sqrt{r}}{r}$$

$$m_2 - \frac{1}{r}n \rightarrow y_2 - \frac{1}{r}n + b \rightarrow ry + n - rb$$

$$d = \frac{|1 - r b|}{\sqrt{\lambda}} = r \sqrt{\lambda} \rightarrow b = \frac{1}{r} - \frac{\lambda}{r}$$

$$\left\{ \begin{array}{l} y, -\frac{1}{r}n + a \xrightarrow{y_{10}} n, 1. \rightarrow d, \sqrt{12a} \\ y, -\frac{1}{r}n - a \xrightarrow{y_{10}} n, -1. \rightarrow d, \sqrt{12a} \end{array} \right. = (\Delta \sqrt{a})$$

$$y = (1-m)x + r$$

$$y = \frac{f}{m} x + r$$

$\rightarrow H=r \rightarrow \frac{r}{r} \neq \frac{r \times \omega \times b}{r} \rightarrow \frac{1}{b} \times \frac{a}{r} \rightarrow 0 = \frac{f}{m} n + r \rightarrow n = -\frac{r}{m}$
 $\rightarrow \left| \frac{r}{m+1} - \frac{m}{r} \right| \geq \frac{a}{r} \rightarrow \frac{f}{m+1} - m \cdot a \rightarrow f - m^2 - m \cdot a \rightarrow a \cdot (1-m) \cdot r \rightarrow a = \frac{r}{m+1}$
 $\rightarrow \left| \frac{r}{m+1} + \frac{m}{r} \right| \geq \frac{a}{r} \rightarrow \frac{f}{m+1} + m \cdot a \rightarrow f + m^2 + m \cdot a \rightarrow a \cdot (1+m) \cdot r \rightarrow a = \frac{r}{m+1}$

$$y, r_{m-r} \longrightarrow \begin{vmatrix} 0 \\ -r \end{vmatrix} \xrightarrow{\text{قانون ساروس}} \begin{vmatrix} r \\ -r \end{vmatrix} \xrightarrow{-1} m, r$$

$\rightarrow y, 2x - 9$

$$y = x + 2, \quad A(1, 2) \xrightarrow{\text{ضلعود}} y = -x + 3$$

$$n + \omega, -n + r \longrightarrow \gamma n \mp r \longrightarrow (n-1), y, +r \longrightarrow \left| \begin{smallmatrix} 1 \\ 2 \end{smallmatrix} \right|$$

$$\begin{array}{r} 1 \\ 2 \end{array} \quad \begin{array}{r} \text{قوت نسبت} \\ \hline 1-1 \\ 2 \\ 4 \end{array} \quad \begin{array}{r} 3 \\ 4 \end{array}$$