

برنام خدا

این معادله را با روش A تکلیف کنید

$$m = -\frac{1f}{v} = -\frac{1}{v} \rightarrow m' = \frac{1}{v} \text{ از } (2, 1) \rightarrow (y-1) = \frac{1}{v}(x-2) \rightarrow y = \frac{1}{v}x + \frac{f}{v} \quad (1)$$

$$m = -\frac{f}{r} \rightarrow y-2 = -\frac{f}{r}(x+1) \Rightarrow y + \frac{f}{r}x - \frac{f}{r} = 0 \Rightarrow ry + fx - \omega = 0 \Rightarrow \frac{|2+1f-\omega|}{\sqrt{9+f^2}} = \frac{1}{\omega} = \frac{1}{2} \Rightarrow \omega = 2 \quad (2)$$

$$\text{جهت } BC = \sqrt{r^2 + f^2} = \omega \rightarrow \omega - 2 = (2) \quad (3)$$

$$m = \frac{1}{f} \rightarrow \frac{a}{f} = \frac{1}{f} \rightarrow a = 1 \rightarrow fy - rx = 1, \quad fy - rx = 1f \quad \frac{|1f-1|}{r\sqrt{\omega}} = \frac{1}{\sqrt{\omega}} \rightarrow r = \frac{r}{\omega} \rightarrow S = \frac{9}{\omega} \quad (4)$$

$$m_{BA} = \frac{1}{f} = -1 \rightarrow y = -x + \omega \quad m_{CH} = 1 \rightarrow y = x + 1 \rightarrow x-2 = -x + \omega \rightarrow x = \frac{v}{r} \text{ و } y = \frac{r}{r} \quad (5)$$

$$M \left| \frac{r}{r} \right| \rightarrow d_{HM} = \sqrt{\left(\frac{1}{r}\right)^2 + \left(\frac{1}{r}\right)^2} = \frac{\sqrt{2}}{r} \quad (6)$$

$$\frac{r}{m+1} = \frac{f}{m-1} \Rightarrow -2m^2 + 1fm - 1 = 2m^2 + m - 2 \rightarrow 4m^2 - 1m + 1 = 0 \rightarrow \Delta < 0 \rightarrow \text{دو جواب ندارد} \quad (7)$$

$$\left. \begin{array}{l} ry = r - x \\ ry = f - x \end{array} \right\} \Rightarrow \omega x = \omega \Rightarrow x = 1, y = 1 \quad \left. \begin{array}{l} x + ry = r \\ -x - y = -f \end{array} \right\} \Rightarrow y = -1, x = \omega \quad \left. \begin{array}{l} y - x = -1 \\ -y - x = -f \end{array} \right\} \Rightarrow x_A = \frac{\omega}{r}, y = \frac{v}{r} \quad (8)$$

$$M \left| \frac{v}{r} \right| \rightarrow d_{AM} = \sqrt{\left(\frac{v}{r}\right)^2 + \left(\frac{1}{r}\right)^2} = \frac{\omega\sqrt{2}}{r} \quad \text{از } H \left| \frac{1+1-f}{\sqrt{2}} \right| = \sqrt{2} \rightarrow \frac{AM}{AH} = \frac{\omega}{r} \quad (9)$$

12

$$\left. \begin{array}{l} y-0 = -\frac{1}{f}(x-A) \rightarrow y = -\frac{x}{r} + \frac{A}{r} \\ y-B = -\frac{1}{f}(x-0) \rightarrow y = -\frac{x}{r} + B \end{array} \right\} \Rightarrow A = 2B \quad \left| \frac{0+0-B}{\sqrt{1^2+1^2}} \right| \rightarrow B = 0, A = 1 \Rightarrow d_{AB} = \sqrt{1^2+0^2} = \sqrt{1} = 1 \quad (10)$$

(11)

SUBJECT:

Year:

Month:

Day:

Page: ()

$$m = r \quad (r, 1) \rightarrow \frac{nr + r}{r} = r \rightarrow nr = r \quad \frac{y_r + 1}{r} = -r \rightarrow y_r = -r$$

(9)

$$y + a = r(n - r) \rightarrow y = rn - r$$

(10)

$$m_1 = 1 \rightarrow m_r = -1 \rightarrow y - r = -1(n - 1) \rightarrow y = -n + r \quad dAA' \rightarrow -n + r = n + a \rightarrow rn = -r$$

$$\frac{a + 1}{r} = -1 \quad \boxed{a = -r} \quad \frac{b + r}{r} = r \rightarrow \boxed{b = r} \quad r(b - a) = (r + r) = 1a$$

$$\begin{aligned} 7 &= 10 + 1 \\ 6 &= 1 + 1 \end{aligned}$$