

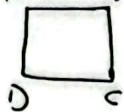
C (مركز)

17 9/10

2.

نیز

A (-1, 1) B (1, 1)

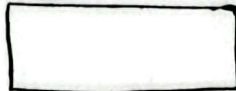


$$m_{AB} = \frac{1-1}{1-(-1)} = 0 \rightarrow m-k = -1 \rightarrow m-k = -1$$

$$AB = \sqrt{(1-(-1))^2 + (1-1)^2} = \sqrt{4} = 2 \rightarrow AB = 2 \rightarrow \sqrt{(1-(-1))^2 + (1-1)^2} = 2$$

A (-1, 1)

B (1, 1)



D (-1, -1) C (1, -1)

$$m_A + m_C = 2m_B + m_D \rightarrow -1 + 1 = 2(1) + (-1) \rightarrow 0 = 1 \rightarrow 1 = 1$$

$$m_{AB} = \frac{1-1}{1-(-1)} = 0 \rightarrow m_{AB} \cdot m_{BC} = -1 \rightarrow 0 \cdot (-1) = 0 \rightarrow 0 = 0$$

$$AB = \sqrt{1+1} = \sqrt{2} = \Delta \quad BC = \sqrt{1+1} = \sqrt{2} = \Delta \rightarrow \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \rightarrow \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$$

$$m_A + m_C = 2m_B + m_D \rightarrow -1 + 1 = 2(1) + (-1) \rightarrow 0 = 1 \rightarrow 1 = 1$$

$$m_{BC} = \frac{1-1}{1-(-1)} = 0 \rightarrow y = 1x + b \rightarrow 1 = 1 + b \rightarrow b = 0 \rightarrow y = 1x$$

$$AB = \sqrt{1+1} = \sqrt{2} = \Delta$$

$$AB = y + 1x = 1 \rightarrow y = -1x + 1 \quad AC = y - 1x = 1 \rightarrow y = 1x + 1$$

$$B \rightarrow -1x + 1 = \frac{1}{2}x - \frac{1}{2} \rightarrow \frac{1}{2}x = \frac{1}{2} \rightarrow x = 1 \rightarrow -1x + 1 = y \rightarrow y = 0$$

$$BH = \sqrt{1+1} = \sqrt{2} = \Delta \rightarrow \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \rightarrow \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$$

$$y = ax + b \rightarrow y = 1x + 1 \rightarrow y = 1x + 1$$

$$AB = \sqrt{1+1} = \sqrt{2} = \Delta$$

$$a = \frac{1}{\sqrt{2}} \rightarrow \frac{1}{\sqrt{2}}$$

(1x) $y - ax = 1 \rightarrow y = ax + 1$
 $ay - nx = a - 1 \rightarrow y = \frac{1}{a}n + \frac{a-1}{a}$
 $y = n \rightarrow y - n = 0$

$\rightarrow$ $a = \frac{1}{a} \rightarrow a^2 = 1 \rightarrow a = \pm 1$
 $a = 1 \rightarrow y = n + 1$
 $y = n + 1 \rightarrow y - n = 1$
 $(1, x) \rightarrow (1, 0)$
 $a \neq -1$

المسافة $= \frac{|1 + (-1) + 0|}{\sqrt{1^2 + 1^2}} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$

$S = \frac{\sqrt{2}}{2} \times \frac{\sqrt{2}}{2} = \frac{1}{2}$

$(n^2) + (y)^2 = (a)^2 \rightarrow \frac{1}{2} + (y)^2 = 2$
 $y^2 = \frac{3}{2} \rightarrow y = \pm \sqrt{\frac{3}{2}}$
 $\frac{\sqrt{3}}{\sqrt{2}} = \frac{\sqrt{6}}{2}$

المسافة $= \frac{|1 + (0) + (-1)|}{\sqrt{1^2 + 1^2}} = \frac{0}{\sqrt{2}} = 0$ AC
 $B \rightarrow y = 0 \rightarrow n = 1 \rightarrow (1, 0)$

$m_{AC} \rightarrow y = -\frac{1}{2}n + b \rightarrow 0 = -\frac{1}{2} + b \rightarrow y = -\frac{1}{2}n + \frac{1}{2}$
 $\frac{1}{2}n - \frac{1}{2} = -\frac{1}{2}n + \frac{1}{2} \rightarrow \frac{1}{2}n = \frac{1}{2} \rightarrow n = 1 \rightarrow y = 0$
 $CC \rightarrow$

$| \begin{pmatrix} 1/2 & 1/2 \\ 1 & 1 \end{pmatrix} | = \frac{1}{2} - \frac{1}{2} = 0$
 $S = \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

$(-\frac{1}{2}, a) \quad (-\frac{1}{2}, b)$

$m_L = \sqrt{2} \rightarrow \frac{b-a}{-\frac{1}{2} + \frac{1}{2}} = \sqrt{2} \rightarrow \frac{b-a}{0} = \sqrt{2} \rightarrow b-a = \frac{\sqrt{2}}{2}$

المسافة $= \sqrt{(\frac{b-a}{\sqrt{2}})^2 + (-\frac{1}{2} + \frac{1}{2})^2} = \sqrt{\frac{2}{4}} = \frac{\sqrt{2}}{2} = \frac{1}{\sqrt{2}}$
 $المسافة = \frac{1}{\sqrt{2}} \rightarrow \frac{1}{\sqrt{2}}$

$r = \sqrt{(\frac{1}{2})^2 + (\frac{1}{2})^2} = \frac{\sqrt{2}}{2} \rightarrow \sqrt{(n_1 - \frac{1}{2})^2 + (y_1 - \frac{1}{2})^2} = r = 0 \rightarrow n_1^2 + y_1^2 = \frac{1}{2}$

$m_L = -\frac{1}{m_{OA}} \rightarrow m_{OA} = \frac{2}{1} \rightarrow m_L = -\frac{1}{2} \rightarrow m_L = -\frac{1}{2} \rightarrow m_L' = \frac{1}{2} \rightarrow L' \rightarrow y = \frac{1}{2}n + b$
 $OA \rightarrow y = \frac{2}{1}n$

$L' \rightarrow OA \rightarrow \frac{1}{2} \rightarrow \frac{|b|}{\sqrt{\frac{1}{4} + 0}} = \frac{1/2}{1/2} = 1 \rightarrow |b| = 1 \rightarrow b = \pm 1$
 $b = -\frac{1}{2}$ $\rightarrow$ $b < 0$

$L' \rightarrow y = \frac{1}{2}n + \frac{1}{2} \rightarrow$
 $L \rightarrow y = -\frac{1}{2}n = c \rightarrow -\frac{1}{2} = \frac{1}{2} + c \rightarrow c = -1 \rightarrow L \rightarrow y = -\frac{1}{2}n - 1$
 $-\frac{1}{2}n - 1 = \frac{1}{2}n + \frac{1}{2} \rightarrow \frac{1}{2}n = -\frac{3}{2} \rightarrow n = -3$
 $y = -1$
 $\left. \begin{matrix} n = -3 \\ y = -1 \end{matrix} \right\} xy = 3$