

یازدهم پسر B

امیر محمد فوجانی

15/28

$$B \begin{vmatrix} 1 & 2 \\ 1 & 1 \end{vmatrix} A \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} \rightarrow m = \frac{\Delta y}{\Delta x} = \frac{1-2}{1-1} = -1 \rightarrow y-1 = -1(x-1) \rightarrow y = -x+2$$

(1)

$$-1 \rightarrow \frac{1}{-1} \rightarrow \frac{1+1}{-1} = -2 \quad \frac{1-2}{1-1} = -1 \rightarrow (1, -1) \rightarrow y-1 = \frac{1}{-1}(x-1) \rightarrow y = \frac{x}{-1} + \frac{1}{-1} \rightarrow y = -x-1$$

$$A \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} B \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} C \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} \rightarrow m = \frac{\Delta y}{\Delta x} = \frac{1-2}{1-1} = -1 \rightarrow y-1 = -1(x-1) \rightarrow y = -x+2$$

(2)

$$B \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} C \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} D \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} \rightarrow m = \frac{\Delta y}{\Delta x} = \frac{1-2}{1-1} = -1 \rightarrow y-1 = -1(x-1) \rightarrow y = -x+2$$

(3)

$$A \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} B \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} C \begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} \rightarrow m = \frac{\Delta y}{\Delta x} = \frac{1-2}{1-1} = -1 \rightarrow y-1 = -1(x-1) \rightarrow y = -x+2$$

(4)

$$(m+1)x - (m-1)y + 1 = 0 \quad (1-m)x + (1-m)y - 1 = 0$$

(5)

$$\begin{cases} AB = x+y = 1 \\ AC = y = x-1 \\ BC = x+y = 1 \end{cases} \quad \frac{AM}{AH} = ? \quad \begin{cases} x+y = 1 \\ y = x-1 \end{cases} \rightarrow x = 1 \rightarrow y = 0 \rightarrow A(1, 0)$$

(6)

$$AM = \sqrt{(1-1)^2 + (0-1)^2} = \sqrt{1} = 1$$

$$\frac{AM}{AH} = \frac{r}{\omega}$$

اسم محمد جعفر جباري

$$m = -\frac{1}{r} \quad y = -\frac{1}{r}x + b \quad a/b \quad 6/26$$

$$0 = -\frac{1}{r}x + b \rightarrow x = rb \quad y + \frac{1}{r}x - b = 0$$

$$\frac{|1(0) + \frac{1}{r}(0) - b|}{\sqrt{\frac{1}{r^2} + 1}} = \frac{16}{\sqrt{5}} = \sqrt{20}$$

$$\hookrightarrow \frac{|b|}{\sqrt{5}} = \sqrt{20} = 2\sqrt{5} \rightarrow \frac{|b|}{\sqrt{5}} = \sqrt{5} \rightarrow |b| = 5 \rightarrow b = 5 \text{ و } b = -5$$

$$m y - \epsilon x = 2m \quad y + mx = u + 2 \quad S = \frac{d}{r}$$

$$y = \frac{\epsilon}{m}x + 2 \quad y = (1-m)x + 2$$

$$y=0$$

$$y=0$$

$$0 = \frac{\epsilon}{m}x + 2 \rightarrow x = -\frac{2m}{\epsilon} \quad 0 = (1-m)x + 2 \rightarrow x = -\frac{2}{1-m}$$

$$\frac{m}{r} - \frac{1}{1-m} = d \rightarrow m = \frac{\epsilon}{1-m} \quad \frac{m}{r} - \frac{1}{1-m} = -d \rightarrow m = \frac{\epsilon}{1-m}$$

$$y = 2x - 1 \quad M(5, 2)$$

اینکه کاری دل نمی بین

$$2x \leq 4$$

$$\rightarrow a/b = -2 \text{ و } b/1 = -1$$

$$2(2) - 0 = \epsilon$$

$$2(-2) - (-1) = -1 \rightarrow \begin{cases} \epsilon \\ -1 \end{cases}$$

$$2(2) - 1 = 3$$

$$2(-2) - (-1) = -3 \rightarrow \begin{cases} 3 \\ -3 \end{cases}$$

$$\rightarrow \frac{\Delta y}{\Delta x} = \frac{-3+1}{2-2} = 2 \rightarrow y+1 = 2(x-2)$$

$$\rightarrow y = 2x - 4 \quad \text{نقطه!}$$

$$A/b$$

$$y = x + b \quad A'/b \quad 26-a = ?$$

$$A'/b$$

$$y = x + b$$

$$m = \frac{1+a}{r+b} \rightarrow \frac{r+b}{r} = \frac{1+a}{r} + b \rightarrow \frac{r+b}{r} = \frac{1+a}{r} \rightarrow b = a + 1$$

$$m AA' \rightarrow -1$$

$$\frac{r-b}{1-a} = -1 \rightarrow r-b = a-1 \rightarrow b = -a + r$$

$$\begin{cases} b = r-a \\ b = a+1 \end{cases} \rightarrow 2b = 1 \rightarrow b = \frac{1}{2} \rightarrow a = -\frac{1}{2}$$

$$2b-a \rightarrow 2(\frac{1}{2}) - (-\frac{1}{2}) = 1 \quad \checkmark$$

$$m(3, 2)$$

$$m_{AB} = \frac{3-1}{2-2} = -1 \xrightarrow{\text{مماس}} m_{AH} = 1 \xrightarrow{C(-1, -3)} y+3 = x+1 \rightarrow y-x+2 = 0$$

$$AH : m \text{ فاصله} = m_H = \frac{2-3+2}{\sqrt{1+1}} = \frac{\sqrt{2}}{2}$$