

امید کندی نذر دلی عزیزم بیزار

B

$$m = \frac{-4}{1} = -4$$

امید کندی نذر دلی که با ۱۷

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$$\Rightarrow y + 2 = -4(x - 5) \Rightarrow y = -4x + 18$$

$$y = -3x - \frac{1}{2}$$

$$\Rightarrow m = -3 \Rightarrow y - 2 = -3(x - 4)$$

$$\Rightarrow y = -3x + 14$$

$$y = \frac{-2}{3} + \frac{1}{3} \Rightarrow m = \frac{-1}{3} \Rightarrow \frac{1}{m} = 3$$

$$\Rightarrow y - 2 = 3(x - 4) \Rightarrow y = 3x - 10$$

$$\tan\left(\frac{\pi}{3}\right) = m = \sqrt{3} \Rightarrow y - 2 = \sqrt{3}(x - 4)$$

$$\Rightarrow y = \sqrt{3}x - 4\sqrt{3} + 2$$

$$\sqrt{(2 - (-1))^2 + (3 - 1)^2} = 5$$

$$|4 + 12 - 3|$$

$$\sqrt{3^2 + 4^2} = 5$$

$$\frac{18}{5} = 3$$

$$x + 4y - 18 = 0$$

$$x + 4y - 12 = 0$$

$$x + 4y + \frac{-18 - 12}{4} =$$

$$x + 4y - 10 = 0$$

$$|-18 + 12|$$

$$\frac{6}{\sqrt{17}} = \frac{6}{\sqrt{17}} = \frac{6\sqrt{17}}{17}$$

$$\frac{|x_m + y - 1|}{\cancel{\sqrt{1-\beta^2}}} = \frac{|x_m - y - 1|}{\cancel{\sqrt{1-\beta^2}}} \quad (K) \quad (r)$$

$$x_m + y - 1 = \pm (x_m - y - 1)$$

$$-x_m + y - 1 = 0 \quad \checkmark$$

$$+x_m + y - 1 = 0 \quad \checkmark$$

$$\left| \frac{m - m'}{1 + mm'} \right| = \tanh(\alpha) \quad (r) \quad (5)$$

$$\Rightarrow y = -x_m - 1, y = x_m - 1$$

$$\Rightarrow \left| \frac{-x_m - 1}{-1} \right| = 1 \Rightarrow \tanh(\alpha) = 1$$

$$\Rightarrow \alpha = \tanh^{-1}(1) \quad \checkmark$$

$$\sqrt{(-1 - x_m)^2 + (x_m + 1)^2} = 1 \quad \checkmark \quad (3) \quad (r) \quad (4)$$

$$\frac{-1 - x_m}{1} = -1$$

$$\frac{x_m + 1}{1} = 1$$

$$\Rightarrow \left| \frac{-1}{1} \right| = 1 \quad \checkmark \quad (1)$$

$$\frac{1}{\gamma} \begin{vmatrix} -1 & -x_m & 1 \\ -1 & x_m & -1 \\ 1 & 1 & 1 \end{vmatrix} = \begin{vmatrix} -x_m - 1 & 1 \\ -1 & x_m + 1 \end{vmatrix}$$

$$= -x_m - 1 - (-1 - x_m - 1) = -x_m - 1 + 1 + x_m + 1 = x_m \quad \checkmark$$

$$\zeta = \begin{vmatrix} -x_m \\ -1 \end{vmatrix} \quad \checkmark \quad (3) \quad (4)$$

$$\frac{-1 + (-x_m) + 1}{1} = -x_m$$

$$\frac{-1 + x_m + 1}{1} = x_m$$

$$\begin{vmatrix} x \\ y \end{vmatrix} \rightarrow \begin{vmatrix} x \\ -y \end{vmatrix}$$

(1,5)

(8)

(الف)

$$\Rightarrow y = \frac{2x+1}{3-x}$$

$$\begin{vmatrix} x \\ y \end{vmatrix} \rightarrow \begin{vmatrix} -x \\ y \end{vmatrix}$$

(1)

$$\Rightarrow y = \frac{-2x+1}{-4x+3}$$

$$\begin{vmatrix} x \\ y \end{vmatrix} \rightarrow \begin{vmatrix} y \\ x \end{vmatrix}$$

(2)

$$\Rightarrow x = \frac{2y+1}{4y-x} \Rightarrow y = -\frac{-3x-1}{1x-2}$$

$$\begin{vmatrix} x \\ y \end{vmatrix} \rightarrow \begin{vmatrix} -y \\ -x \end{vmatrix}$$

(3)

$$\Rightarrow -x = \frac{-2y+1}{-4y-3} \Rightarrow y = \frac{-3x+1}{+4x+2}$$

اینجا جای y است نه x!

(5,0)

(9)

(الف)

$$\begin{vmatrix} x \\ y \end{vmatrix} \rightarrow \begin{vmatrix} x-2 \\ y+3 \end{vmatrix}$$

$$\begin{cases} x' = x-2 \rightarrow x = x'+2 \\ y' = y+3 \rightarrow y = y'-3 \end{cases}$$

$$\Rightarrow y = \frac{2x-3}{x-5} \Rightarrow y = \frac{-x+12}{x-5}$$

$$\begin{vmatrix} x \\ y \end{vmatrix} \rightarrow \begin{vmatrix} x-2 \\ y-2 \end{vmatrix}$$

(3)

$$\frac{2x-4+1}{x-4-2} = y-2$$

$$\Rightarrow y = \frac{2x-13}{x-6}$$

$$y' = \frac{7}{x'}$$

مشتق معود  
قبل:

$$y' = \frac{5x'+2}{x'-1}$$

$$\begin{cases} 3x + 4y = 2 \\ (2 - 5y = 1) \times 3 \Rightarrow 3x - 15y = 3 \end{cases} \Rightarrow \begin{cases} 3x + 4y = 2 \\ 3x - 15y = 3 \end{cases} \Rightarrow -19y = 1 \Rightarrow y = -\frac{1}{19}$$

$$3x + \frac{4}{19} = 2 \Rightarrow x = \frac{14}{19}$$

$$3x + 4y = 2$$

$$2 - 5y = 1$$

راه حل؟! :

$$y = \frac{1}{-15-4}$$

$$x = -\frac{\begin{vmatrix} 4 & 2 \\ -5 & 1 \end{vmatrix}}{\begin{vmatrix} 3 & 4 \\ 1 & -5 \end{vmatrix}} = \frac{14}{19}$$

$$x = \frac{14}{-15-4} \Rightarrow x = \frac{14}{19}$$

$$y = -\frac{1}{19}$$

$$y = \frac{\begin{vmatrix} 3 & 2 \\ 1 & 1 \end{vmatrix}}{\begin{vmatrix} 3 & 4 \\ 1 & -5 \end{vmatrix}} = \frac{-1}{19}$$