

$$\left. \begin{aligned} (9x - y)^2 &= 11x - 4y - 2y \\ -x + 2y &= 11x - 4y - 2y \end{aligned} \right\} \begin{aligned} 18 &= \sqrt{11} \quad x = 2 \\ y &= -3 \end{aligned}$$

$$\left. \begin{aligned} (-1 + \frac{1}{x} - \frac{1}{y})^2 &= -5 + \frac{5}{x} - \frac{5}{y} \\ -3 + \frac{5}{x} - \frac{5}{y} &= -5 + \frac{5}{x} - \frac{5}{y} \end{aligned} \right\} -2 = \frac{2}{y}$$

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

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

10 $-2 \leq a \leq 1 \quad a = -2 \quad (-3, -4), (1, -2), (2, b)$

$$-4 + 2b = -4 \quad b = 0$$

15 $m^2 - 2n = -2 \quad (m-2)(n-1) = 0$

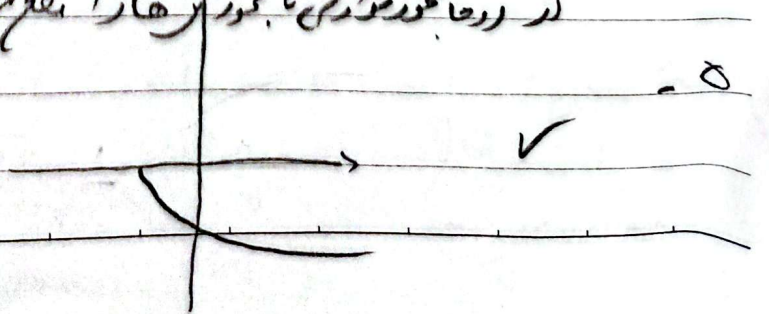
if $m = 2 \quad (-1, 4), (3, 5), (-1, -2), (3, 6)$

if $n = 1 \quad (-1, -2), (3, 5), (1, 1), (2, 4)$
 محقق
 محقق

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در دو محور موازی با محورهای مختصات

$$y = \sqrt{x+1}$$



$$x = \frac{y}{\sqrt{1-y^2}} \rightarrow x^2 = \frac{y^2}{1-y^2} \rightarrow 1-y^2 = y^2 \rightarrow \sqrt{1-y^2} = y \quad \text{شال نفق}$$

$$1-y^2 = y^2 \quad y = \pm \sqrt{\frac{1}{2}} \quad \text{تپونست}$$

$$x^2 = y^2 \pm 1 \rightarrow \text{شال نفق } x \text{ ان} \quad 5$$

حسب من تدر (تدر) تدر

$$x^2 + x = x^2 + x$$

$$(y+1)^n - 1 = (y+1)^m - 1 \quad y_1 = y_2$$

$$\frac{(x+1)^r + 1}{(x+1)^r + 1} = \frac{r+1}{y} = \frac{r}{r}$$

$$y = (x-a) \rightarrow y = (x-1) \quad 15$$

$$x = 1 \rightarrow -x = -1 - a \quad a = 1$$

$$f(x) = x^2 + x + b \rightarrow -1 - 1 + b = -\epsilon \quad b = 2$$

$$x = 1$$

$$f(x) = x^2 + x - 2$$

$$x^2 + x - 2 = (x-1)(x+2) = (x+1)(x^2 - x + 1)(x+1)^2$$

$$x^2 - x + 1 = \frac{1 + \sqrt{5}}{2} + \frac{1 - \sqrt{5}}{2} = 1$$

$$b = \epsilon a c = 1 + \epsilon = 0$$

$$\frac{1 + \sqrt{5}}{2} + \frac{1 - \sqrt{5}}{2} = 1$$

MAHAN

