

$$y = m x^2 = 17x + 8m - 1 \Rightarrow m \sqrt{7} = 7$$

$$m > 0 \Rightarrow \frac{7m^2 - 4m - 1}{2m} \leq 7 \Rightarrow \Delta m = -7 \leq m^2 - 2m + 1 \leq 2 \Rightarrow 8m^2 - 5m + 4 \leq 0$$

$$\Delta = 729 \Rightarrow m = \frac{17 \pm \sqrt{729}}{14} \begin{cases} 0 < m < 7 \\ -17 \\ 0 \end{cases} \Rightarrow m = 7 \quad \frac{-b}{2a} = x_{cat} = -\frac{17}{4} < -7$$

$$x^2 + \gamma(a+1)x + \gamma a - 1 = 0 \quad \alpha \beta = a^r \quad -\gamma(a+1) = \alpha + \beta$$

$$\Rightarrow \gamma a - 1 = \alpha \beta = a^r \Rightarrow \gamma a - 1 = a^r \Rightarrow a^r - \gamma a + 1 = 0 \Rightarrow (a-1)^r = 0 \Rightarrow a = 1$$

$$x^2 + \gamma x + 1 = 0 \Rightarrow \alpha \beta = 1, \alpha + \beta = -\gamma$$

$$\Rightarrow \alpha = -\gamma + \sqrt{\gamma^2}, \beta = -\gamma - \sqrt{\gamma^2}$$

$$9x^2 - 4x^p - 8 = 0 \quad x^r = z \Rightarrow z^p - 4z - 8 = 0 \Rightarrow z = x^r = \frac{4 \pm \sqrt{49}}{p} \Rightarrow x = \pm \sqrt[p]{\frac{4 \pm \sqrt{49}}{p}}$$

$$\Rightarrow 5 = 0 \Rightarrow p = \frac{-4 \pm \sqrt{49}}{p} \Rightarrow 4p^2 - 4p + 5 = 0$$

$$4p^2 = 4p - 5 \Rightarrow 4p^2 = 11p - 1 \Rightarrow \sqrt{49} = 11$$

$$y = kx^r - 2x - 4 \Rightarrow y = -2x - 2$$

$$\frac{-b}{2a} \Rightarrow k = a \cdot b = -2 \Rightarrow \frac{-2}{rk} = \frac{-r}{k} \Rightarrow k \left( \frac{r}{k} \right) - 2 \left( \frac{r}{k} \right) - 4 \Rightarrow \frac{r}{k} = \frac{-2}{k} \Rightarrow 1$$

$$\Rightarrow \frac{r}{k} = 1 \Rightarrow k = r \quad \frac{r}{k} = -r - 4 = -1$$

$$y = -mx^2 + mx + 1 \quad \text{وإذاً } y = -m - x$$

$$-mx^2 - mx + 1 = -m - x \Rightarrow -mx^2 + mx + x + m + 1 = 0 \Rightarrow \Delta < 0$$

$$m^2 + 2x + 1 \leq 2m^2 + 2mx \Rightarrow 0 < m^2 + 4m + 1 \leq 0 \Rightarrow m^2 + 4m + 1 < 0$$

$$(m+2)(m+1) < 0 \Rightarrow \frac{-2}{0} = -1, \frac{-1}{0}$$

$$\frac{-1}{1} - \frac{-1}{1} = 0$$

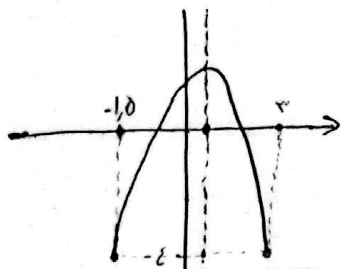
$$\text{مجموعة } (-1, -\frac{1}{2})$$

$$\alpha, \beta \Rightarrow x^2 - 2\alpha x + \beta = 0 \Rightarrow \alpha + \beta = 5, \alpha \cdot \beta = 2 \Rightarrow \beta = 2 \Rightarrow \alpha = \frac{3}{2}$$

$$\frac{f(\alpha + \beta)}{\partial \rho} = 5 \quad \frac{f}{\partial} \times \frac{\alpha}{\beta} + \frac{\beta^2}{\partial} = \frac{\alpha^2}{\partial} + \frac{\beta^2}{\partial} = \frac{5^2 - 2 \cdot 5}{\partial} = \frac{15 - 10}{\partial} = \frac{5}{\partial} = 19$$

$$(3, -1), (-1, 3, -1)$$

معمولی



$$x_4 - y = x_2 - y$$

$$\Rightarrow \frac{3}{2} \rightarrow \text{طول راس ها}$$

$$\frac{3}{4} \times 2 = \frac{3}{2} \rightarrow \text{مجموع راس ها}$$

$$x^2 - 2Kx + 0 = 0 \Rightarrow \text{انتگرال} = \frac{x}{K}$$

$$\left[ \frac{K^p}{r} \right] = 5 \quad \sqrt{14K^2 - 2} = \frac{5}{K} \Rightarrow \frac{14}{9} K^2 = 4 K^2 - 2 \Rightarrow 14K^2 = 36K^2 - 180 \Rightarrow 20K^2 = 180 \Rightarrow K^2 = 9$$

$$\Rightarrow \left[ \frac{15}{r} \right] = \left[ \frac{9}{r} \right] = 5$$

$$A = (3, y), B = (-1, y) \quad \alpha^2 + \beta^2 = 0$$

فرض کنیم  $\Rightarrow 1$

$$\frac{2\alpha + 2\beta}{r} = \frac{-b}{r\alpha} = 2\alpha \Rightarrow 2\alpha = \frac{-b}{r} = -1 \Rightarrow \frac{-b}{r} = 5 \Rightarrow -2$$

$$y - 1 = \alpha(x + 1) \Rightarrow y = \alpha x + \alpha + 1 \Rightarrow \alpha^2 + \beta^2 = 0 \Rightarrow 5^2 - 2\beta = 0$$

$$(-2)^2 - 2\left(\frac{\alpha + 1}{\alpha}\right) = 0 \Rightarrow \alpha = -\frac{2}{r} \Rightarrow C = \frac{1}{r} = \alpha + 1 = \frac{1}{r}$$

$$-x^2 + 2x + m = 0 \Rightarrow x^2 - 2x - m = 0 \quad -m = x_1 x_2, x_1 + x_2 = 2$$

$$\Rightarrow \frac{2 + \sqrt{4 + 4m}}{2} < \frac{1}{r} \Rightarrow \sqrt{4 + 4m} < 2 \Rightarrow 4m < 0 \Rightarrow m < 0$$

$$2m + 2 > 0 \Rightarrow m > -1$$

$$\Rightarrow m \in \{-1, -2, -3, -4\} \Rightarrow m \text{ صحیح}$$