

$$A(-1, 9)$$

$$(3, 1)$$

$$a\left(\frac{x+1}{f}\right)^2 + 9 = y \rightarrow -\frac{1}{f}\left(\frac{x+1}{f}\right)^2 + 9 = y \rightarrow \frac{1}{f}x^2 + x = \frac{1}{f} + 9 = y$$

$$16a + 9 = 1 \rightarrow 16a = -8 \rightarrow a = -\frac{1}{2}$$

$$y = -\frac{1}{2}x^2 - x + \frac{17}{2}$$

$$x^2 + mx + y = 0$$

$$\Delta > 0$$

$$-\frac{b}{a} > 0$$

$$\frac{c}{a} > 0 \quad \checkmark$$

$$m^2 - 4a > 0$$

$$-\frac{m}{f} > 0$$

$$m^2 > 4a$$

$$-m > 0$$

$$m < 0$$

$$+f\sqrt{a} > m > -f\sqrt{a}$$

$$-f\sqrt{a} < m < 0$$

$$x^2 + (2m-1)x + 2-m = 0$$

$$\Delta > 0$$

$$\Delta = 1 + 4m = 1$$

$$\Delta > 0 \rightarrow m = -1 \rightarrow \Delta = 9 - 4 < 0$$

$$-\frac{b}{a} = \frac{a}{c}$$

$$a^2 = -bc$$

$$m = \frac{a+9}{f}$$

$$9 = (m-2)(2m-1) = 2m^2 - m - 4m + 2$$

$$0 = 2m^2 - 5m - 1$$

$$x^2 - x - f = 0 \rightarrow \begin{cases} x_1 + x_2 = -\frac{b}{a} = 1 \rightarrow S \\ x_1 x_2 = \frac{c}{a} = -f \rightarrow P \end{cases} \quad y = x^2 + Sx + P$$

$$S = x_1^2 + x_2^2 + \frac{1}{x_1} + \frac{1}{x_2} = 1 + 1 - \frac{1}{f} = \frac{2f-1}{f}$$

$$y = x^2 + \frac{2f-1}{f}x - \frac{11}{f}$$

$$P = \left(\frac{1}{x_1 x_2}\right)^2 + \frac{1}{x_1^2} + \frac{1}{x_2^2} + \frac{1}{x_1 x_2} = -\frac{1}{f} + 1 + 1 + \frac{1}{f} = \frac{-11}{f}$$

$$\left(\sqrt[3]{x^2} + \frac{1}{\sqrt[3]{x^2}} + 1\right)\left(\sqrt[3]{x^2} - 1\right) = \sqrt[3]{x^2} \rightarrow \sqrt[3]{x^2} - 1 + \frac{1}{\sqrt[3]{x^2}} - 1 = \sqrt[3]{x^2}$$

$$2x = x^2 - 1 \rightarrow x^2 - 2x - 1 = 0$$

$$\frac{x^2 - 1}{\sqrt[3]{x^2}} = \sqrt[3]{x^2}$$

$$\frac{-b}{a} = 2$$

1, 20 ۶

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$$n^2 + 2n - 3 = 0 \quad (n-1)(n+3)$$

1, 1, 1

$$\frac{-1 \pm \sqrt{1 - 4 \cdot 1 \cdot 1}}{2 \cdot 1} = \frac{-1 \pm \sqrt{1 - 4}}{2} = \frac{-1 \pm \sqrt{-3}}{2} = \frac{-1 \pm j\sqrt{3}}{2}$$

$$u_0 = -m \Rightarrow u_0 = -a$$

$$x^r + y^r - r_m \rightarrow m^r + r_m - r_m = 0 \Rightarrow m \overset{\text{ÜÜÜ}}{\underset{a}{\circ}}$$

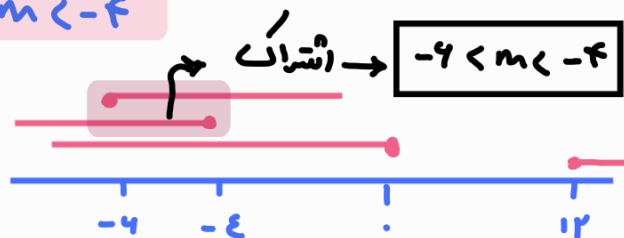
$$14 - (-1) = 15$$

$$\Delta \rangle \cdot \rightarrow m^r - f(r)(m+4) \rangle \cdot \rightarrow m^r - \lambda m - \kappa \lambda \rangle \cdot$$

$$(m-14)(m+8) > 0 \rightarrow m > 14 \quad \underline{\quad} \quad m < -8$$

$S > 0 \rightarrow -\frac{m}{r} > 0 \rightarrow m < 0$

$$D_s \rightarrow \frac{n+4}{r} \rightarrow n_s - 4$$



$$\rho = \alpha\beta = \alpha \times \nu_\alpha = \frac{\kappa}{\pi} \rightarrow \alpha^r = \frac{\kappa}{q} \rightarrow a = \pm \frac{r}{\nu} \rightarrow \beta = \pm \gamma$$

$$g = \alpha + \beta = w_\alpha + \alpha = f_\alpha = f_x \pm \frac{y}{r} = \pm \frac{1}{r} \leadsto s = \frac{a}{r} = \pm \frac{1}{r} \rightarrow a = \pm 1$$

اصناف مقدارهای ۸ برابر ۱۶ است