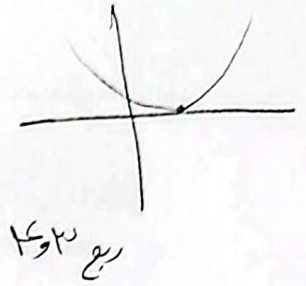
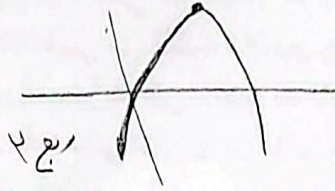
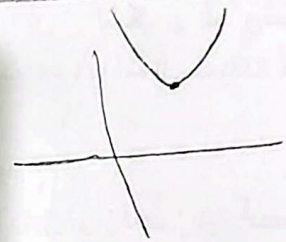


الف) $\frac{-b}{2a} = \frac{p}{2}$ $\xrightarrow{\text{جائگہ لاری}}$ $3\left(\frac{4}{2}\right) - 2\left(\frac{p}{2}\right) = \frac{4}{3} - \frac{p}{2} = 0$

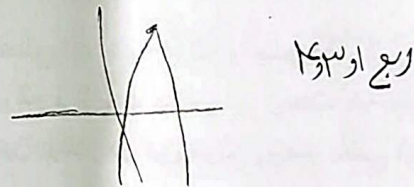
ب) $\frac{-b}{2a} = \frac{-k}{-2} = 2$ $\rightarrow -(4) + 1(2) = 4$



الف) $\frac{-b}{2a} = \frac{0}{2} = 0$ $\rightarrow y_s = 2\left(\frac{10}{2}\right) - 5\left(\frac{0}{2}\right) + 2 = 2$



ب) $\frac{-b}{2a} = \frac{-k}{-2} = 2$ $\rightarrow y_s = -(4) + 4(2) - 1 = 3$



۳) $\alpha + \beta = s = \frac{-b}{a} = \frac{1}{1} = 1$
 $\alpha\beta = p = \frac{c}{a} = \frac{-3}{1} = -3$

$|\alpha - \beta| = \frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{1 - 4(-3)}}{1} = \sqrt{13}$

الف) $\frac{1}{\sqrt{13}} \times \frac{\sqrt{13}}{\sqrt{13}} = \frac{\sqrt{13}}{13}$

ب) $s^2 - 2p = 7$

ج) $s^2 - 2sp = 1 - 2(-3)(1) = 10$

د) $(\alpha - \beta)(\alpha + \beta + \alpha\beta) = k\sqrt{13}$
 جہاں $\frac{1}{\sqrt{13}}$ طائر $\left(\frac{1}{\sqrt{13}}\right)$

۴) $\Delta < 0$ \rightarrow $\Delta = 0$ \rightarrow $\Delta > 0$

۲ حقیقی اور ۲ خالی
 ۲ حقیقی اور ۲ خالی

$\Delta = a^2 - 4ac < 0$
 $a(a - 4c) < 0$

تبعی حالت



$\Delta \in [0, 4]$

۵) $\alpha^2 + \alpha^2 + \beta^2 - 4\alpha = 7$
 $14 + \frac{a}{\beta} = \frac{a}{\beta}$

جائگہ لاری اور درمیان

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

$3\alpha^2 - 12\alpha - a = 0$
 $3(\alpha^2 - 4\alpha) = a$
 $\alpha^2 - 4\alpha = \frac{a}{3}$

$14 + \frac{a}{\beta} = 7$
 $\frac{a}{\beta} = -7$

$\alpha^2 + \beta^2 = s^2 - 2p = 14 - 2\left(\frac{-a}{\beta}\right) = 14 + \frac{2a}{\beta}$

$$\psi(x^r - 1) + \psi = 0 \rightarrow \psi(x-1)/(x-1) = 0$$

$$\frac{d}{x} = -\frac{1}{x} = -1^x$$

$$\textcircled{9} \frac{x_1 + x_2}{r} = x_3 \quad y_1 = y_2 \quad \frac{V - 2a + 2a + \psi}{r} = b \quad b = 0 \quad \leq \begin{bmatrix} 1 \\ 0 \end{bmatrix}$$

$$\begin{aligned} ax^r + bx + c & \quad \frac{-b}{ra} = d \\ \frac{1}{r} x^r + 0x + c & \quad b = -1 \cdot a \\ \frac{1}{r} + 0 + c = \frac{d}{r} & \quad d = -1 \cdot a \\ \text{In this } c = -\frac{1}{r} = -1^r & \quad a = \frac{1}{r} \rightarrow (1, \frac{d}{r}) \text{ is } \end{aligned}$$

$$\textcircled{10} \alpha + \beta = 1 \rightarrow \beta = 1 - \alpha$$

$$\psi(1-\alpha)^r + \psi_0 \alpha^r - \psi(1-\alpha) = 1^r \Rightarrow \psi_0 \alpha^r - \psi_0 \alpha + \psi = 0$$

$$|\alpha - \beta| = \frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{(4\psi_0)^2 - 4(\psi)(\psi_0)}}{4\psi_0} = \frac{\sqrt{4\psi\psi_0}}{4\psi_0} = \frac{\psi}{\psi_0} \sqrt{\psi} = \frac{\psi}{\psi_0} \sqrt{\psi}$$

$$\textcircled{11} ax^r + bx + \frac{\psi}{r} \quad \frac{x_1 + x_2}{r} = x_3 \quad y_1 = y_2$$

$$\frac{\Delta}{ra} = \frac{4ac - b^2}{ra} = y_3$$

$$\frac{-d+1}{r} = -r = \frac{-b}{ra} \quad b = ra$$

$$\frac{r(\frac{\psi}{r})(a) - (ra)^2}{ra} = \frac{1}{r} \Rightarrow \frac{\psi}{r} - ra = \frac{1}{r}$$

$$\frac{1}{r} x^r + 2x + \frac{\psi}{r} \rightarrow b + r + \frac{\psi}{r} = r \quad a = \frac{1}{r} \quad b = r = \frac{1}{r}(r)$$

$$\textcircled{12} x^r + \frac{\psi(x^r + \beta^r)}{5r - 2r} = \frac{9 + (9-a) + 4\sqrt{9-a}}{x} + \frac{\psi(4\psi - 2a)}{\sqrt{r} - 2a} = 12\sqrt{r} + 10$$

$$\beta, \alpha = \frac{-b \pm \sqrt{\Delta}}{ra} \rightarrow \alpha = \frac{-9 - \sqrt{4\psi - 2a}}{r} = \frac{-9 - 2\sqrt{9-a}}{r} = \left(-r - \sqrt{9-a} \right)^r = x^r$$

$$\beta = -r + \sqrt{9-a}$$

$$\frac{d}{\psi_0} - \psi_0 a + 4\sqrt{9-a} = 12\sqrt{r} + 10$$

$$\begin{aligned} \psi_0 &= \psi_0 a \\ a &= 1 \\ 4\sqrt{9-a} &= 4\sqrt{r} \quad 9-a = a \\ a &= 1 \end{aligned}$$

is correct

$$\textcircled{1} \frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}} = 0 \rightarrow \left(\frac{\sqrt{a} + \sqrt{b}}{\sqrt{ab}} = 0 \right)^2 \Rightarrow \frac{a + b + 2\sqrt{ab}}{ab} = 0$$

۲ توان

$$s + 2\sqrt{p} = 2\sqrt{p} \Rightarrow s + 2\sqrt{\frac{1}{9}} = \frac{2\sqrt{1}}{3} \rightarrow s = \frac{1\sqrt{1}}{3} = \frac{-b}{a}$$

$$\frac{m+k}{3} = \frac{1\sqrt{1}}{3} \Rightarrow m+k=1\sqrt{1}$$

$m = -1$

$$-2r + 2x + r \rightarrow p = \frac{c}{a} = \frac{r}{-1} = -r$$