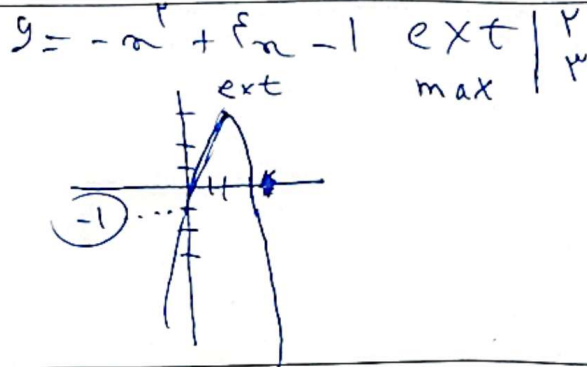




$$\Rightarrow (m+1)^2 - (m-1)^2 > 0 \Rightarrow m^2 + 2m + 1 - (m^2 - 2m + 1) > 0 \Rightarrow 4m > 0 \Rightarrow m > 0$$

$$\Delta < 0 \Rightarrow P > 0 \Rightarrow \Delta > 0 \quad (\text{ا})$$

$$\Delta > 0 \Rightarrow (P(m+1))^2 - E(m-2) > 0 \Rightarrow E m^2 + \Lambda m + \Gamma - E m + \Lambda > 0$$

$$\Rightarrow \frac{m^2 - \Lambda m + \Gamma}{\Delta < 0 \Rightarrow \Delta > 0} > 0$$

نقاط صفر و علامت

$$P > 0 \Rightarrow \frac{1}{m-2} > 0 \Rightarrow m > 2$$

$$\Delta < 0 \Rightarrow \frac{P(m+1)}{m-2} - 1 > 0$$

$$\Rightarrow \Delta < 0 \Rightarrow m \in (-1, 2) \Rightarrow \Delta > 0 \Rightarrow m \in (2, \infty)$$

$\frac{m^2 - 2m + 1}{\Delta} > 0 \Rightarrow \frac{(m-1)^2}{\Delta} > 0 \Rightarrow m < 1$

$$\frac{-b}{r_a} = -r \Rightarrow \frac{r(m+1)}{r_{m-r}} = r \Rightarrow \frac{m+1}{m-r} = r \Rightarrow m+1 = r(m-r) \Rightarrow m = d$$

$$\Delta \geq 0 \Rightarrow \epsilon \sin^2 \alpha - f \geq 0 \Rightarrow \sin^2 \alpha = 1 \Rightarrow \boxed{\sin \alpha = \pm 1}$$

$$p > 0 \vee \delta > 0 \rightarrow \frac{r \sin \alpha}{\frac{r}{n}} = r \sin \alpha \cdot \frac{\sin \alpha}{\frac{1}{n}} \Rightarrow$$

$$\boxed{\sin \alpha = +1} \rightarrow \frac{r}{n} r - r n + \frac{r}{n} = 0 \Rightarrow r = \frac{r \pm 0}{\frac{r}{n}} = \left(\frac{n}{r} \right)$$

$$\begin{aligned} & \frac{3(n-1)(n+\frac{1}{2}) \times 1 (n-1, d)}{-(n+1)(n+1)} = -4(n+\frac{1}{2})(n+\frac{d}{2}) \\ & = -\{2^2 + 1^2 m + d\} \Rightarrow m \& x y = \frac{-\Delta}{\epsilon_a} = \frac{-(149 + 120)}{-2f} = \frac{269}{2f} \end{aligned}$$

$\left(\frac{12^2}{2f}\right)$
 $\left(\frac{269}{2f}\right)$

$$\begin{aligned} 3\delta &= \Delta P + V \Rightarrow \frac{3m+V}{m} = \frac{-10}{m} + V \Rightarrow \frac{Vm-10}{m} = \frac{3m+V}{m} \\ \Rightarrow Vm-10 &= 3m+V \Rightarrow 2m=14 \Rightarrow m=7 \\ \Rightarrow \delta &= \frac{V}{f}, P=\frac{-1}{f} \Rightarrow \delta^2 - 2P\delta = \frac{9}{f^2} + 1 = \frac{12}{f^2} = \alpha^2 + \beta^2 \end{aligned}$$

$\left(\frac{12}{f^2}\right)$

$\alpha^2 + \beta^2 = 12 \Rightarrow -2\alpha\beta$

$! \leftarrow \text{طریقہ، سہولت کے لیے } n=0$

$$\begin{aligned} n=1 &\Rightarrow y=1f \quad n=-1 \Rightarrow y=f \\ \text{Let } C=f &\Rightarrow an^2 + bn + c = y, \\ \Rightarrow 9a - 3b &= 0 \quad 11a - 4b = 0 \\ 7a + 2b &= 10 \quad 12a + 4b = 20 \Rightarrow 3a = 5 \\ \Rightarrow a &= \frac{5}{3} \Rightarrow b = 3 \quad \Rightarrow \frac{b}{2a} = \frac{3}{10} = \frac{3}{10} \end{aligned}$$

$$\begin{aligned} \frac{f\alpha + \beta^2}{\delta\beta^2} + \frac{\alpha^2}{\alpha^2} &= \frac{f\alpha^2 + \alpha^2\beta^2}{\delta\alpha^2\beta^2} = \frac{f\alpha^2 + f\beta^2}{\delta\alpha^2\beta^2} \\ &= \frac{\alpha^2 + \beta^2}{\delta} = \frac{12}{\delta} = 19 \end{aligned}$$

$$\begin{aligned} 12^2 + (m+1)m + m + 1 &= m \Rightarrow 12^2 + m^2 + m + 1 = m \\ \Delta &= 0 \Rightarrow m^2 - 12m - 11 = 0 \Rightarrow m = \frac{12 \pm 13}{2} \\ m &= 12, -1 \end{aligned}$$