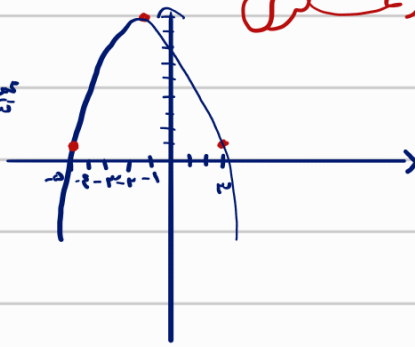


آزید پور علی

(-199) → 9, $\frac{-b}{2a} = -1 \rightarrow y+1 \rightarrow \frac{1}{2}$
 (391) $9a+3b+c=1$
 $\frac{1}{2} \rightarrow \frac{1}{2} \rightarrow -1, 0$
 $2-1=1 \rightarrow 2+1=3$



1

$2a-2b+c=1$
 $-a-b+c=9$

$7a-2b+c=-1$

$4a-b=-2$

$\frac{-b}{2a} = \frac{-4a-2}{2a} = \frac{-2a-1}{a} = -1 \rightarrow -a = -2a-1 \rightarrow a = \frac{1}{2}$

$9a+3b=c$
 $\frac{1}{2} \rightarrow \frac{1}{2} \rightarrow b=0$

$b=0$

$c=-1, 0$

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

$(x-\alpha)(x-\beta)$

$\alpha\beta = \frac{c}{a} = \frac{m+4}{r} > 0 \rightarrow \frac{-4}{+} \rightarrow m > -4$

$\alpha+\beta > 0 \rightarrow \frac{-b}{a} > 0 \rightarrow \frac{-m}{r} > 0 \rightarrow \frac{0}{+} \rightarrow m < 0$

$m < 0$
 $\frac{1}{2}$
 $m > -4$

2

$\alpha+\beta = \frac{1}{\alpha\beta} \rightarrow \frac{-b}{a} = \frac{a}{c} \rightarrow a^2 = bc \rightarrow 9 = (r+m)(r-m)$

$9 = -\varepsilon m + r m^2 + r - m$

$0 = r m^2 - \varepsilon m - r$

$m^2 - \varepsilon m - 1 \rightarrow (m-\varepsilon)(m+1)$

$\frac{1}{2}$

$\frac{-1}{2} = \frac{-r}{r}$

3

$x_1 = \alpha, x_2 = \beta \rightarrow x^2 - x - \varepsilon$

$\Delta = b^2 - 4ac = 1 - \varepsilon(1)(-\varepsilon) = 1 + \varepsilon^2$

$\frac{1 \pm \sqrt{1+\varepsilon^2}}{2} = \alpha$
 $\frac{1 \mp \sqrt{1+\varepsilon^2}}{2} = \beta$

$\frac{-r-3\varepsilon\sqrt{1+\varepsilon^2}}{-19} + \frac{r+3\sqrt{1+\varepsilon^2}}{-19} = \frac{-1-19\sqrt{1+\varepsilon^2}+1+\sqrt{1+\varepsilon^2}}{-19} = \frac{-18\sqrt{1+\varepsilon^2}}{-19} = \frac{18\sqrt{1+\varepsilon^2}}{19}$

$\alpha + \frac{1}{\beta} = \frac{1+19\sqrt{1+\varepsilon^2}}{19} + \frac{r}{1-\sqrt{1+\varepsilon^2}}$
 $\beta + \frac{1}{\alpha} = \frac{1-19\sqrt{1+\varepsilon^2}}{19} + \frac{r}{1+\sqrt{1+\varepsilon^2}}$

$(x-19\sqrt{1+\varepsilon^2})(x+\frac{19-19\sqrt{1+\varepsilon^2}}{19})$

$\frac{-1+19\sqrt{1+\varepsilon^2}}{-19} + \frac{-r+19\sqrt{1+\varepsilon^2}}{-19} = \frac{-r+19\sqrt{1+\varepsilon^2}}{-19}$

$x_1 = \frac{r-3\varepsilon\sqrt{1+\varepsilon^2}}{19}, x_2 = \frac{19-19\sqrt{1+\varepsilon^2}}{19}$

4

$$\left(\sqrt[n]{n} + \frac{1}{\sqrt[n]{n}}\right)^n, \quad \frac{\sqrt[n]{n^r} + 1 + \sqrt[n]{n^r}}{\sqrt[n]{n^r}} = \left(\frac{\sqrt[n]{n^r} + \sqrt[n]{n} + 1}{n}\right) (\sqrt[n]{n^r} - 1)$$

$$\left(\frac{\sqrt[n]{x^r + 1}}{\sqrt[n]{x}} \right)^r - 1$$

$$\frac{\sqrt[n]{n^{\sqrt{n}}} + n + n\sqrt[n]{n^{\sqrt{n}}} + \sqrt[n]{n^{\sqrt{n}}} - \sqrt[n]{n^{\sqrt{n}}} - n}{n} = \frac{\sqrt[n]{n^{\sqrt{n}}} + n\sqrt[n]{n^{\sqrt{n}}} - \sqrt[n]{n^{\sqrt{n}}} - \sqrt[n]{n^{\sqrt{n}}}}{n}$$

$$= \frac{n^{\frac{r}{2}} \sqrt[n]{n} - \sqrt[n]{n}}{n} - \frac{\sqrt[n]{n} (n^{\frac{r}{2}} - 1)}{n} = \frac{\sqrt[n]{n} (n^{\frac{r}{2}} - 1 - 1)}{n}$$



$$\alpha = r\beta \quad \alpha\beta = \frac{c}{a} \quad a^n + (b)^n + c - r\alpha^n - \underline{a\alpha} + \varepsilon$$

$$\beta \quad r\beta' \cdot \frac{r}{w} \rightarrow \beta' \cdot \frac{\varepsilon}{q} \rightarrow \beta = \frac{r}{w}$$

$$\alpha + \beta = \mu\beta + \beta + \varepsilon\beta = \frac{-b}{a} = \frac{-a}{\mu} \rightarrow \mu\beta = +a \quad \begin{matrix} \nearrow \mu \\ \searrow \mu \end{matrix}$$

$$\rightarrow 11x - \frac{y}{4} = -1 \Rightarrow -1 \Rightarrow 11x - \frac{y}{4} = 1 \Rightarrow 11x \frac{4}{4} + 1x(-\frac{y}{4}) + 1 = 0$$

$$\frac{(n-\alpha)(n-\beta)}{\alpha \sim \beta}$$

4

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

$$an^r + (p+pa)n = y$$

$\rightarrow an^2 + (r_1 + r_2)n \geq 0$
لے بڑی n کی مشق

دکتر بنامہ ریاضی و فزیک
دانشہ بائیں

$a=0 \rightsquigarrow 3\pi \geq 0 \rightarrow n$ کب از ۰ X
هی شی جواب ندهد

$$a: -1 \rightsquigarrow -n + n \geq 0 \rightarrow \underbrace{n}_{0} \underbrace{(-n+1)}_{1} \text{ X}$$

$$a_2 = -\frac{r}{r} \rightsquigarrow -\frac{r}{r} \pi^r \geq 0 \quad \text{X}$$

$\alpha = -2 \rightarrow -2m^2 - \alpha \rightarrow m(-2m-1) \times$ ❌

$$a=1 \rightsquigarrow n \rightarrow n+d \quad \begin{array}{c} + \quad - \quad + \\ \quad \quad \quad - \end{array}$$

① $\ln C, \ln \omega, \ln \sigma \Rightarrow \frac{-a}{y}$

⑤ $\frac{+2}{-2} = -1$

① $y = x^2 + 2x - 2 \rightarrow a_1^2$ $\left| \begin{array}{l} x = -1 \\ y = -2 \end{array} \right.$
 $1 = x^2 + 2x - 2$

$$I = n^Y + r n - W$$

$$(n+r)(n-1) \rightarrow \begin{matrix} n=1 \\ n=-r \end{matrix}$$

$$\frac{-a}{r} = -1 \rightarrow \frac{a}{r} = 1 \rightarrow \boxed{a = r}$$

$$\leadsto -x^r + ax + b = 1$$

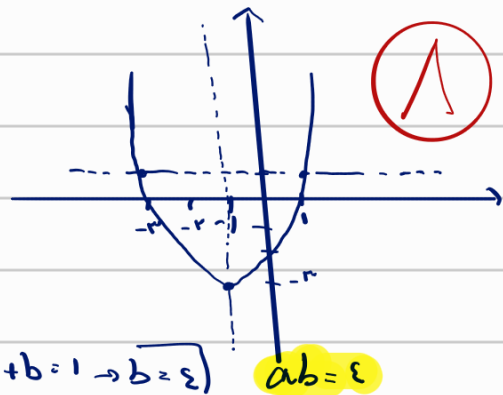
$$-n^r - rn + b - 1$$

$$\hookrightarrow \varepsilon - \varepsilon \times (-1)(b-1)$$

$$\varepsilon + \varepsilon b - \varepsilon \Rightarrow \varepsilon b > 0$$

$$-x^2 - 4x + b = 1 \rightarrow -9 + 4 + b = 1 \rightarrow b = 2$$

$$ab = \varepsilon$$



$$\alpha_1 + \frac{1}{r} = \alpha_r$$

$$\beta_1 + \frac{1}{r} = \beta_r$$

$$\alpha, \beta_1 = \frac{c}{a} = \frac{b}{r} \Rightarrow \alpha_1 + \beta_1 = -\frac{b}{a} = -\frac{a}{r}$$

$$\alpha_r \beta_r = \frac{c}{a} \Rightarrow (\alpha_1 + \frac{1}{r})(\beta_1 + \frac{1}{r}) = -r$$

$$\underbrace{\alpha_1 \beta_1}_{\frac{b}{r}} + \underbrace{\frac{1}{r} \alpha_1 + \frac{1}{r} \beta_1}_{\frac{1}{r}(\alpha_1 + \beta_1)} + \frac{1}{r} = -r \rightarrow \frac{rb+a}{r} = -\frac{1r}{r} \rightarrow rb+a = -1r \rightarrow \boxed{b=a}$$

$$\alpha_r + \beta_r = \alpha_1 + \frac{1}{r} + \beta_1 + \frac{1}{r} = \underbrace{\alpha_1 + \beta_1}_{-\frac{a}{ra}} + 1 = -\frac{a}{ra} \rightarrow \frac{a}{r} + 1 = -\frac{1}{r} \rightarrow \boxed{a = -r} \quad \left[\frac{ab}{r} \right] = \frac{-1a}{r} = -\frac{r}{r} \rightarrow -1$$

4

$$\alpha, \beta_1, \beta_r$$

$$\alpha \beta_1 = m \rightsquigarrow (-4 - \beta_1)(\beta_1) = -\beta_1^2 - 4\beta_1 = m \rightarrow -\beta_1^2 + (\beta_1 + 4) = m$$

$$\alpha \beta_r = -3m \rightsquigarrow (-4 - \beta_1)(\beta_1 + \varepsilon) = -4\beta_1 - 4\varepsilon - \beta_1^2 - \varepsilon\beta_1 \rightarrow -\beta_1^2 - 1 \cdot \beta_1 - 4\varepsilon = -3m$$

$$\boxed{\alpha = -a} \rightarrow \alpha + \beta_1 = -4 \rightarrow \alpha = -4 - \beta_1 \rightarrow -r - \beta_r = -4 - \beta_1 \rightarrow \beta_r - \beta_1 = \varepsilon \quad \begin{matrix} b \\ \beta_1^2 + 1 \cdot \beta_1 + 4\varepsilon = 3m \\ (\beta_1 + \varepsilon)(\beta_1 + 4) = 3m \end{matrix}$$

$$\alpha + \beta_r = -r \rightsquigarrow -4 - \beta_1 + \beta_r = -r \rightarrow \beta_r - \beta_1 = \varepsilon \rightsquigarrow \boxed{\beta_r = 3}$$

$$\beta_r - \beta_1 = \varepsilon$$

$$\beta_r = \beta_1 + \varepsilon \rightarrow \text{واحد با هم جمع}$$

$$\frac{-\beta_1^2 + m}{\beta_1 + \varepsilon} = m$$

$$\hookrightarrow \frac{-\beta_1^2}{\beta_1 + \varepsilon} = 1 \rightsquigarrow \beta_1 + \varepsilon = -\beta_1$$

$$\varepsilon \beta_1 = -\varepsilon \rightarrow \boxed{\beta_1 = -1}$$

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