

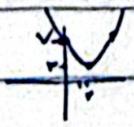
۱۳، ۷۵

بازدهم فقط B

۱۲

دینا علیانی

الف) $\frac{-b}{2a} = \frac{4}{2} = 2$
 $4 - 1 \cdot 2 = 2$



ب) $\frac{-b}{2a} = \frac{4}{2} = 2$
 $4 - 1 \cdot 2 = 2$



الف) $\Delta > 0$ $(m+1)^2 - 4(1)(\frac{1}{2}m+2)$

$m^2 - 2m - 1 > 0$

$(m-0)(m+3) > 0$ $\frac{-2 \pm \sqrt{4}}{1 \pm 1} \rightarrow (-\infty, -3) \cup (0, +\infty)$

ب) $\Delta = 0$ $m^2 - 2m - 1 = 0$

$(m-0)(m+3) = 0$

ج) $\Delta < 0$ $(m-0)(m+3) < 0$ $\frac{-2 \pm \sqrt{4}}{1 \pm 1} \rightarrow (-3, 0)$

د) $\Delta > 0$ $(m-0)(m+3) > 0$ $\frac{-2 \pm \sqrt{4}}{1 \pm 1} \rightarrow (-\infty, -3] \cup [0, +\infty)$

الف) $\Delta > 0 \rightarrow (2m+2)^2 - 4(m-2)(1) > 0$ $m^2 - 1 > 0$ ✓

$S < 0 \rightarrow \frac{-b}{a} = \frac{2m+2}{m-2} < 0$ $\frac{-1 \pm 2}{1 \pm 1} \rightarrow (-1, 2)$

$P > 0 \rightarrow \frac{c}{a} = \frac{1}{m-2} > 0$ $\rightarrow (2, +\infty)$

ب) $\Delta > 0$ ✓

$S < 0 \rightarrow (-1, 2)$ $\cap \rightarrow (-1, 2)$

$P < 0 \rightarrow (-\infty, 2)$ $\bullet \text{ pigio } \bullet$

الف) ψ ∇^2 $\Delta > 0 \rightarrow m^2 = \Lambda m + 2 > 0$ ✓ -f

$m = 1 > 0$ $m = 2 < 0$ $p < 0 \rightarrow (-\infty, 2)$
 $m > 2$ $m < 2$ $S \neq 0 \Rightarrow m \neq 1$ $\} (-\infty, 2) = \{ \}$
 α ✓ $\frac{-2}{\sqrt{5}}$

1, 2, 5

ب) $\frac{-b}{2a} = -2$ $+b = +8a$ -f

$2ma^2 = f(m-2)$
 $2m+2 = fm-\Lambda$
 $2m=6$ $m=3$

~~Horizontal~~ $\Delta = 0$ $(r \sin \alpha)^2 = f(\frac{r}{p})(\frac{r}{p})$ -f

$\Delta > 0$ $f \sin^2 \alpha = f$ $\sin^2 \alpha = 1$ $\sin \alpha = \pm 1$ $\frac{-b}{2a} < \frac{-r}{f}$
 $-1 < \sin \alpha < 1$ $\sin^2 \alpha > 1 \rightarrow \sqrt{5}$ $\frac{r}{f}$

$y = \frac{(2x^2-2-1)(2x^2-2x-0)}{1-x^2} \rightarrow a \neq b \Rightarrow x = -1, \frac{0}{2}$ -f
 $a \neq b \neq c \Rightarrow \frac{(x-1)(x+\frac{1}{2})(x+1)(x-\frac{0}{2})}{(x+1)(1-x)} = -(x+\frac{1}{2})(x-\frac{0}{2})$
 $x = 1, -\frac{1}{2}$ $\frac{-\Delta}{2a} = \frac{p/q}{y/f}$

$\psi S_+ \psi = 0$ $p = \frac{m+2}{m}$ $p = \frac{-2}{m}$ $m = f$ -f
 $\frac{r_{m+2}}{m} \cdot V = \frac{-1}{m}$
 $\frac{r_{m+2}}{m} \cdot V_{m+2} = -1 \Rightarrow m = -\frac{r}{\Delta} \Rightarrow S = f, p = \Delta$

$\alpha^r \beta^r = S^r - r p = 19 - 10 = 9$ $\frac{10}{f}$
pigio

$$\frac{f\alpha + B^0}{\partial B^r} = \frac{f\alpha}{\partial B^r} + \frac{B^0}{\partial B^r} \xrightarrow{+B^0 = \gamma \Rightarrow B^0 = \frac{\gamma}{\alpha}} \frac{f\alpha}{\partial(\frac{\gamma}{\alpha})} + \frac{B^r}{\Delta} \quad - \Delta$$

$$\frac{f\alpha^r}{\gamma} + \frac{fB^r}{\gamma} = \frac{\alpha^r B^r}{\Delta} = \frac{5^r - 3PS}{\Delta} = \frac{120 - 3}{\Delta} = 19 \quad (2)$$

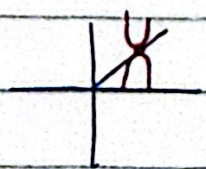
$$2x_{a10} = ax^r + bx_{ac} \quad \text{در صورت سوال C داده شده است} \quad - 4$$

$$ax^r + (b - \gamma)x_{ac} - 10 = 0 \quad c - 10 = \gamma \quad c = 1\gamma \quad (3)$$

$$S = \frac{-b + \gamma}{a} = -1 \Rightarrow -b + \gamma = -a \quad \left. \begin{array}{l} f\alpha + \gamma b = 1 \\ 9a - \gamma b = 0 \end{array} \right\} \rightarrow a = 1, b = \gamma$$

$$P = \frac{c - 10}{a} = -9 \quad -9a = \gamma \Rightarrow a = -\frac{\gamma}{9} \Rightarrow b = \frac{\gamma}{9} \quad \alpha = -\frac{\gamma}{9}$$

$$\frac{-b}{\gamma a} = \frac{\frac{\gamma}{9}}{\frac{\gamma}{9}} = 1 \quad (1)$$



$$\frac{-b}{\gamma a} = \frac{-\Delta}{\gamma a} \Rightarrow +\gamma b = b^r - f\alpha c \quad - 10$$

$$\cancel{b^r - f\alpha c} + b^r - f\alpha c - \gamma b = 0 \quad (4)$$

$$m^r + 10\gamma m - f(\gamma)(m + \gamma) - \gamma(m + 1) = 0$$

$$m^r - 11m - f\gamma = 0 \quad \begin{array}{l} \gamma = \sqrt{f\gamma} \\ \gamma = -\sqrt{f\gamma} \end{array}$$

$$D = 0 \rightarrow m = 1\gamma, -\gamma$$