

19

14, 25

بازدم

این کتاب

$$\frac{c}{a} = \frac{f}{r} \rightarrow x \times \frac{f}{r} = \frac{f}{r} \rightarrow \frac{f}{r} x = \frac{f}{r} \rightarrow x = \frac{\frac{f}{r}}{\frac{f}{r}} = 1$$

(2) -1

$$1 - (-1) = 1 \checkmark$$

افزایش
در مقدار

$$\frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}} \rightarrow \frac{\sqrt{b} + \sqrt{a}}{\sqrt{ab}} = 2 \rightarrow \sqrt{a} + \sqrt{b} = 2\sqrt{ab}$$

(2) -2

$$\sqrt{5+2\sqrt{6}} \rightarrow \frac{m+1}{r} + \frac{1}{r} \rightarrow \frac{m+2}{r} \times r = 2$$

$$\sqrt{m+2} = 2 \rightarrow m+2 = 4 \rightarrow m = 2$$

$$\frac{c}{a} = -\frac{1}{1} \rightarrow (-2) \checkmark$$

$$AB = -2 \rightarrow 2$$

$$2r + k - 11 - 2 = 0 \rightarrow -r$$

$$k = -2 \checkmark$$

(2) -3

$$r(\alpha^2 + \beta^2 + \alpha^2) \rightarrow r(5r - 2P) + -9\alpha + a = 12\sqrt{2} + 11$$

-2\sqrt{2}

(2) -4

$$r(2r - 2a) + (-9\alpha - a) = 12\sqrt{2} + 11 \rightarrow -2a - 9\alpha = 12\sqrt{2} + 11$$

$$11\alpha - 5\alpha + 11\beta - 11\alpha = 11\alpha + 11\beta - 2a = 12\sqrt{2} + 11$$

$$a = 1 \checkmark \alpha = -2\sqrt{2} - 2$$

$$P = 1 \rightarrow B = 2\sqrt{2} - 2$$

$$+r - V + -2 = 0 \rightarrow \frac{V \pm \sqrt{49}}{r} \rightarrow \frac{V + \sqrt{49}}{r} \checkmark$$

(2) -5

$$-\frac{\sqrt{V+\sqrt{49}}}{r} + \frac{\sqrt{V+\sqrt{49}}}{r}$$

$$S = 0$$

$$P = -\left(\frac{V+\sqrt{49}}{r}\right) \times P^2$$

$$\frac{111}{49+49+12\sqrt{49}} \times r = 59 + V\sqrt{49} \checkmark$$

$$\frac{a}{r} = -\frac{1}{r} + 2\left(\frac{1}{r}\right) \rightarrow a = 1$$

(2) -6

$$rx^2 + x - 9 = 0$$

$$\frac{r}{r} + \frac{1}{r} \rightarrow 2$$

$$-2 + \frac{1}{r} \rightarrow -\frac{r}{r}$$

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

$$\left[\frac{-4 \times 1}{r} \right] \rightarrow [-1, 4] = (-2) \checkmark$$

$$a\beta^r = a\beta + b \rightarrow r_0\beta + b + r_0\beta + b - r_0\beta = r_0(\alpha + \beta) + 2b = 1V \quad (0, 1.5) - V$$

$$a\alpha^r = a\alpha + b \quad S = -\frac{b}{a} = 1 \quad r_0 + 2b = 1V \quad b = -\frac{r}{2}$$

$$\alpha + \beta = 1$$

$$\frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{a^2 - 4a}}{a}$$

$$r_0\beta^r - r_0\beta + 1 = 0 \quad \checkmark \quad \beta = \frac{r_0 \pm \sqrt{r_0^2 - 4}}{r_0} = \frac{d \pm \sqrt{d^2 - 4}}{r_0} \rightarrow 1 - \frac{d \pm \sqrt{d^2 - 4}}{r_0} = \frac{d \mp \sqrt{d^2 - 4}}{r_0}$$

$$x^r - 10x + b = 0$$

$$x: 10 \rightarrow \begin{matrix} 5 \\ 2 \end{matrix} \rightarrow 22$$

$$\alpha = 3 \leftarrow a \rightarrow \text{مع } a+1$$

$$\downarrow$$

$$\text{فرب} = 3 \quad 22 - 3 = 19 \quad \checkmark$$

$$(2) - 1$$

$$s^r - 2p \rightarrow 1 - 2(1 - m^r) = 2m^r + 3 > 3 \quad (1) - 9$$

$$x^r + x + (m^r - 1) = 0 \quad \alpha^r + \beta^r = s^r - 2p = (-1)^r - 2(-1 - m^r) = 2m^r + 3 \geq 3 \quad \text{min} \quad (\alpha^r + \beta^r)^r = 2 - 2 \times \frac{d}{r}$$

$$\alpha + \beta = -1$$

$$\alpha\beta = m^r - 1$$

$$\alpha^r + \beta^r = (\alpha + \beta)^r - 2\alpha\beta = 1 - 2m^r + 2 = 3 - 2m^r$$

$$\Delta = 1 - 4(m^r - 1) = d - 4m^r \geq 0 \rightarrow m^r \leq \frac{d}{4}$$

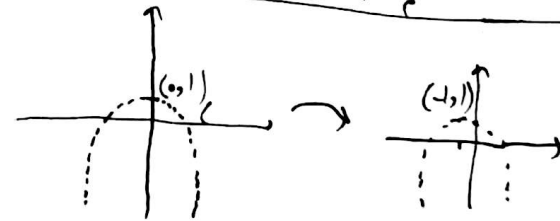
$$\frac{-b}{ra} = 1$$

$$\alpha^r + \beta^r = d$$

$$\begin{matrix} +1 & +2 \\ -1 & -2 \end{matrix}$$

$$\frac{-d+2}{r} = -1 \quad \checkmark \rightarrow \begin{matrix} x=1, d \\ x=-3, d \end{matrix}$$

$$r = \sqrt{\frac{-1}{d}} \rightarrow \sqrt{\frac{-1}{d}} = 2, d \rightarrow a = -\frac{d}{r}$$



$$\text{معادله: } -\frac{d}{ra}(x+1)^r + 1$$

$$\begin{matrix} 21 \\ 2d \end{matrix}$$

حل برقرار با محور y

$$n_s = \frac{r-d}{r} = -1 \quad \text{ext}(-1, 1)$$

$$10$$

$$y = a(1+n)^r + 1 = an^r + 2an + a + 1 \rightarrow \begin{cases} p = \frac{a+1}{a} \\ s = -2 \end{cases}$$

$$\alpha^r + \beta^r = s^r - 2p = (-2)^r - 2\left(\frac{a+1}{a}\right) \rightarrow \boxed{\alpha = -\frac{2}{r}}$$

$$\text{مقدار از صفا} = a + 1 = \left(\frac{1}{3}\right)$$

$$S = \alpha + \beta = 1 \rightarrow \alpha = 1 - \beta$$

✓

$$f \cdot \beta^r + \gamma \cdot (1 - \beta)^r - \gamma \cdot \beta = 1V \rightarrow \gamma \cdot \beta^r - \gamma \cdot \beta + 1 = 0$$

$$\gamma \cdot \beta (\underbrace{\beta - 1}_{-\alpha}) = -1 \rightarrow -\gamma \cdot \alpha \beta = -1 \rightarrow \alpha \beta = \frac{1}{\gamma} = -\frac{b}{a} \rightarrow a = -\gamma \cdot b$$

$$-\gamma \cdot \beta^{n^r} + \gamma \cdot \beta^n - \beta = 0 \rightarrow |\alpha - \beta| = \frac{\sqrt{\Delta}}{|a|} = \boxed{\frac{\gamma}{\sqrt{\Delta}}}$$