

ست سئ عقده

①

9

$$n = 4$$

$$\rightarrow - \tau$$

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10 1

$$1 - m^2 \frac{r_0}{r}$$

$$-\frac{B}{r} \text{ cm} \text{ } \angle$$

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③

$$q - 1 + m + r = 0$$

$$m = 1$$

9

$$\alpha^2 - 2\alpha + 1 = 0 \implies \alpha = 1$$

$$y = a(x-r)^2 + q$$

$$-(x-r)^2 + q > 0$$

⑤

$$4a + q = 0$$

$$(x-r)^2 + q < 0$$

⑥

$$a = -1$$

$$x^2 + 4x - 9 < 0$$

$$\rightarrow x^2 - (x-2) < 0$$

$$\rightarrow (x-3)(x+1) < 0$$

$$\hookrightarrow (-1, 3)$$

$$\frac{-1 \pm \sqrt{16}}{2} = \frac{-1 \pm 4}{2}$$

$$\frac{1}{\alpha} + \frac{1}{\beta} = -\frac{1}{\mu} + \frac{\mu}{\tau} = \frac{\nu}{\gamma}$$

④

$$p = \alpha\beta = \frac{q\beta}{\alpha}$$

$$\alpha^2\beta = q\beta \rightarrow \alpha^2 = q \rightarrow \alpha = \pm\sqrt{q}$$

⑤

$$\alpha = \sqrt{q} \rightarrow \frac{\nu}{\tau} = \sqrt{q} + \beta \rightarrow \beta = -\frac{\nu}{\tau} + \sqrt{q}$$

$$\alpha = -\sqrt{q} \rightarrow -\frac{\nu}{\tau} = -\sqrt{q} + \beta \rightarrow \beta = \frac{\nu}{\tau} + \sqrt{q}$$

$$S = \alpha + \beta = \frac{\nu}{\alpha}$$

$$\alpha = -\sqrt{q} \rightarrow \beta = \frac{\nu}{\tau} + \sqrt{q}$$

$$\beta^2 + m\beta - 1 = 0 \rightarrow \beta^2 - 1 = -m\beta$$

$$m^2 + 1 = 0$$

⑤

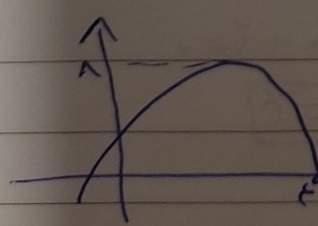
$$\alpha^2 - m\beta = 1 \rightarrow \alpha^2 + \beta^2 - 1 = m \rightarrow m^2 + (m-1)^2 = 0$$

$$\rightarrow m = -1 \rightarrow \alpha^2 - 1 = 0 \rightarrow \alpha = \pm 1$$

$$\rightarrow m = 1 \rightarrow \alpha^2 + 1 = 0 \rightarrow \alpha = \pm i$$

$$\frac{\Delta}{4a} = 1$$

$$-\Delta = 4a$$



$$-(14 - 4(m)(\frac{m}{r} + 1)) = 4m$$

$$-14 + 4m^2 + 4m = 4m$$

$$4m^2 - 14 = 0 \rightarrow m^2 = \frac{7}{2}$$

$$(m-1)(m+1) = 0$$

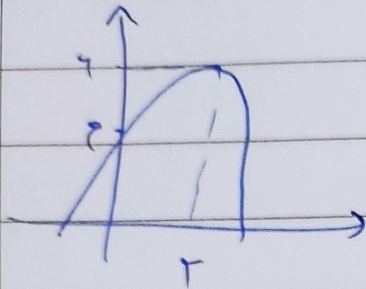
$$m = 1 \rightarrow m = -1$$

تاریخ : / /

$$-2a^2 + 4a + 4 = 0$$

$$a^2 - 2a - 2 = 0 \rightarrow (a-4)(a+1) = 0 \quad k \in \mathbb{R}$$

$a = 4 \quad \rightarrow a = -1$



$$1 = a(a-r)^2 + y$$

$$4a + 4 = 4$$

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

$$-\frac{1}{r}(a^2 - 4a + 4) + 4 = 0 \rightarrow -\frac{1}{r}a^2 + 4a - 4 + 4$$

$$\Rightarrow -\frac{1}{r}a^2 + 4a - 4 = 0 \Rightarrow -a^2 + 4ar - 4r = 0$$

$$\Rightarrow \frac{1}{\alpha} + \frac{1}{\beta} = \frac{2r\beta}{\alpha\beta} \Rightarrow \frac{4}{-1} = -\frac{1}{r}$$

$$4a + 4 = 4 + \beta$$

$$4a^2 + 4a + 4 = 4\beta$$

$$4a^2 + 4a + 4 = 4a + 4$$

$$4a^2 - 4a - 4 = 0$$

$$a = 1 \text{ و } -\frac{1}{2}$$

$$a = -\frac{1}{2} \rightarrow a^2 - \frac{1}{2}a + \frac{1}{4} = 0$$

$$\rightarrow 4a^2 - 2a + 1 = 0 \rightarrow a = \frac{1}{2}, \frac{1}{4}$$

$$a = 4, \frac{1}{2}$$