

نموده یا رقم دفتر A

شماره یا ستاره تلفن: ۱۵۰۲۵

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نام خانوادگی: کیمیا رحبر

$$y = -x^2 + bx + c \Rightarrow \frac{b^2 - 4(-1)(c)}{4} = \frac{b^2 + 12}{4} = 1$$

$$\frac{-\Delta}{2a} = 1$$

$$b^2 = 16 \Rightarrow b = \pm 4$$

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$$f(x) = x^2 + 2mx + 1 \Rightarrow \Delta < 0 \rightarrow$$

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$$f(x) = (x - a)^2 - r(x - a) - 12 \rightarrow (t - a)(t + r) \rightarrow \begin{cases} t = a \\ t = -r \end{cases}$$

$$x - m^2 = t \rightarrow \begin{cases} x - m^2 = a \rightarrow x^2 = -1 \times 100 \times 5 \\ x - m^2 = -r \rightarrow -x^2 = -1 \rightarrow x = \pm \sqrt{1} \end{cases}$$

$$x^2 - 14x + m = 0$$

$$m = \alpha \quad m = \alpha + 2 \Rightarrow S = 2\alpha + 2 = 5 \rightarrow \alpha = 1 \quad m_1 = 1 \quad m_2 = 3$$

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$$P = \frac{m}{2} = 3 \rightarrow m = 12$$

$$x^2 - 14x + 12 = 0 \quad \Delta > 0 \quad \checkmark$$

$$2\alpha - \beta = 5$$

$$S = \alpha + \beta = 7 \rightarrow \alpha = 7 - \beta \rightarrow 2(7 - \beta) - \beta = 5$$

$$P = 0 \rightarrow \frac{m-1}{2} = 0 \rightarrow m = 1$$

$$5 - 2\beta - \beta = 5 \rightarrow \begin{cases} \beta = 0 \\ \alpha = 7 \end{cases}$$

$$x^2 - 4x = 0 \quad \Delta > 0 \quad \checkmark$$

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4

$$-mx^2 + 5x + m^2 - 2 = 0$$

$$S = \frac{1}{\alpha} + \alpha = \frac{1 + \alpha^2}{\alpha}$$

$$P = 1 \rightarrow \frac{m^2 - 2}{-m} = 1 \rightarrow m^2 - 2 = -m \rightarrow m^2 + m - 2 = 0 \rightarrow (m-1)(m+2) = 0$$

$$-x^2 + 5x + 1 \quad 14 - 4(-1)(1)$$

$$\begin{cases} m = 1 \\ m = -2 \end{cases} \quad \Delta > 0 \quad \checkmark$$

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5

$$x^r - m\alpha + \beta =$$

$$\alpha\beta^r = \varepsilon \rightarrow \alpha\beta \times \beta = \varepsilon \rightarrow \beta = \frac{\varepsilon}{\alpha} \text{ و } \alpha = \frac{\varepsilon}{\varepsilon}$$

$$p = \alpha\beta = 1^r$$

$$\alpha = \alpha + \beta = \frac{r^r}{1^r}$$

$$x^r - \frac{r^r}{1^r} + 1^r = 0 \checkmark$$

$$x = \frac{\varepsilon}{1^r} = 1^r$$

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$$x^r - \varepsilon n + m =$$

$$\alpha \text{ و } r\alpha \rightarrow p = 1^r \alpha^r = m \rightarrow \boxed{m = 1^r}$$

$$s = r\alpha = \varepsilon \rightarrow \alpha = 1^r$$

$$x^r - r\alpha + 1^r = 0 \checkmark$$

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$$x^r - v\alpha + r =$$

$$\frac{(\alpha + r)(\alpha + r - \alpha p)}{v} \quad \varepsilon q = r(r)$$

$$p = \alpha\beta = r \rightarrow \alpha = \frac{r}{\beta} \rightarrow \alpha^r + \beta^r = s = r p \quad \frac{s=r}{p=r} \quad r=1$$

$$\alpha^r + \frac{1}{\alpha^r} = \frac{1}{\beta^r} + \frac{1}{\alpha^r} = \frac{\alpha^r + \beta^r}{\alpha^r \beta^r} = \frac{1(\alpha^r + \beta^r)}{\alpha^r \beta^r} = \frac{1 \times \varepsilon^r}{1} = r, r$$

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$$h(t) = -1 \cdot t^r + \omega \cdot t \rightarrow \text{Max}_h = \frac{-\frac{1}{\varepsilon}}{\frac{\omega}{\varepsilon}} = \frac{-\frac{1}{\varepsilon}}{\frac{\omega}{\varepsilon}} = \frac{-1}{\omega} = \boxed{1, \omega m}$$

4, 0

$$0 = -1 \cdot t^r + \omega t \rightarrow -1 \cdot t(t - \omega) =$$

$$t = \omega \quad \checkmark$$

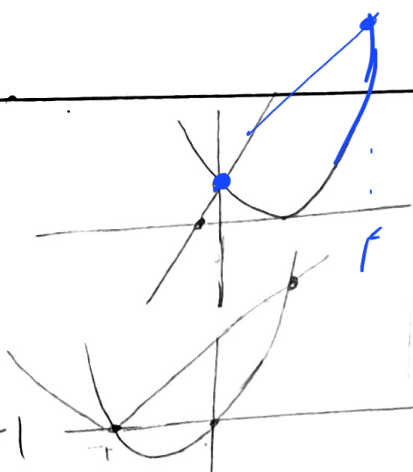
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$$\text{الف) } (x-1)^r = r\alpha + 1$$

$$x = r\alpha + 1 \rightarrow x = \frac{1}{r}$$

$$x = \alpha + 1 \rightarrow y = 1$$



$$\boxed{x = 1}$$

$$x = 0, 1^r$$

$$\boxed{x = -1}$$

$$m = 1$$

$$\text{ب) } m^r + m = |m + r|$$

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