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افزین!

$$\frac{-\Delta}{\epsilon a} = \frac{-b^2 - 12}{-4} = 7$$

$$-b^2 = -14$$

$$b = \pm 4 \checkmark$$

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$$y = t^2 + 2t + 3 = (t = \frac{-2 \pm \sqrt{4 - 12}}{2})$$

جواب ندارد ✓  
(الف)

$$t^2 - 2t - 15 = (t - 5)(t + 3)$$

$$t = 5, -3$$

$$\epsilon - x^2 = 5 \rightarrow \text{محقق}$$

$$\epsilon - x^2 = -3 \quad x = \pm \sqrt{4} \checkmark$$

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$$x_1 + x_2 = x_1 + x_1 + 2 = 4$$

$$x_1 = 1 \Rightarrow x_2 = 3 \checkmark$$

$$\epsilon(x-1)(x-3) = \epsilon x^2 - 14x + 12 \Rightarrow m = 12 \checkmark$$

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$$\alpha + \beta = 2$$

$$2\alpha - (2 - \alpha) = 2\alpha - 2 = 4$$

$$\alpha = 2$$

$$\beta = 0$$

$$\alpha\beta = \frac{m-1}{2} = 0 \Rightarrow m = 1 \checkmark$$

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$$x_1, x_2 = 1$$

$$\frac{m^2 - 2}{-m} = 1 \Rightarrow m^2 + m - 2 = 0$$

$$(m+2)(m-1) = 0$$

$$m = 1, -2$$

محققون ریشه ها یکسان می شوند

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$$\alpha\beta = \alpha\beta \times \beta = \gamma\beta = \xi$$

$$\beta = \frac{\xi}{\gamma}$$

$$\left(\frac{\xi}{\gamma}\right)^2 - \frac{\xi}{\gamma^2}m + \gamma = 0 \Rightarrow \frac{14}{9} - \frac{12m}{9} + \frac{27}{9} = 0$$

$$m = \frac{\xi\gamma}{12} \checkmark$$

$$x_1 + x_4 = x_1 + \gamma x_1 = \xi$$

$$x_1 = 1$$

$$x_4 = \gamma$$

$$\frac{m}{1} = 1 \times \gamma = \gamma \checkmark$$

$$\alpha\beta = \gamma$$

$$\beta = \frac{\gamma}{\alpha}$$

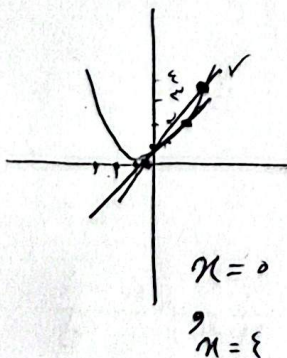
$$\alpha^r + \frac{\Lambda}{\alpha^r} = \alpha^r + \beta^r = S^{-r} S p = \gamma \xi \gamma - \xi^2 = \gamma_0 \checkmark$$

$$h_{\max} = \frac{-2\Delta_0\gamma}{\xi} = 42, \Delta \checkmark \checkmark$$

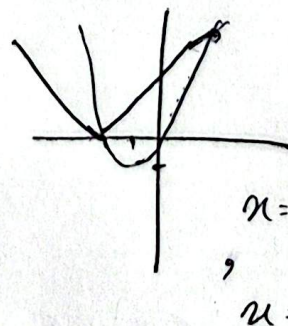
$$h=0 \Rightarrow -1_0 t^2 + 0_0 t = 0$$

$$-1_0 t(t-\Delta) = 0$$

$$t = \begin{matrix} 0 \\ \Delta \end{matrix} \xrightarrow{\text{نقطة توقف}} \checkmark \checkmark \text{نقطة مورد نظر}$$



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$$x = -2$$

$$x = 1$$