

نام و نام خانوادگی مهر حاج میرزا محمد پاسخنامه تشریحی تکلیف شماره ۱۲۰۰ کلاس هجری ۱۳۸۸

$$\frac{-a}{r_d} \pm \frac{-b + fac}{-r} \pm \frac{-b - 1r}{-r} = V \Rightarrow b + 1r \pm r \Rightarrow b_{2, \pm}$$

$$-\frac{b}{r_a} \frac{d}{dt} \rightarrow -\left(\frac{-b}{r_a}\right)^r + b\left(\frac{-b}{r_a}\right) + r = V$$

$$\frac{-b^r}{ra^r} + \frac{(-b^r)}{-r} + v = v \Rightarrow \frac{b^r}{ra^r} = r \Rightarrow b^r \in K$$
 جواب با r قبل $\Rightarrow$ صحیح جواب $\Rightarrow$ $b^r \in K$

یابج نذارد $f(x) = x^4 + 2x^2 + 1 \Rightarrow x^4 + 2x^2 + 1 = (x^2 + 1)^2$ $x^2 = t$
 می یابیم و $y = 0$ هم نذارد $x^2 = t$

—) $f(x) = (x-2)^2 - 1$ $\Rightarrow x = 2 \pm 1$

$$r - x_1^r + \quad r - x_2^r - r \quad (1-0)(20) \Rightarrow r - x_1^r = 0$$

$$x_1 \pm \sqrt{r} \quad \vee = x_1^r \quad x_1 < -\sqrt{r}, x_1 > \sqrt{r} \quad X^{-1} \geq x_1^r \quad \text{B.E.}$$

$$\alpha = \beta + \gamma \Rightarrow g_2 \alpha + \beta + \gamma = \gamma \Rightarrow \beta = 1, \alpha = \gamma \Rightarrow P = \frac{m}{r} \quad \alpha + \beta = \gamma \Rightarrow m = 1 \gamma$$

$$\downarrow \quad \downarrow$$

$$x, \quad x, \gamma$$

$$m = 1 \gamma \Rightarrow \{ \gamma \}.$$

$$\beta \geq r\alpha - r \Rightarrow \alpha + r\alpha - r \geq r\alpha \Rightarrow \alpha \geq r, \beta = 0 \Rightarrow \begin{matrix} m-1 \geq 0 \\ m-1 \geq \alpha \beta = 0 \end{matrix} \leftarrow m \geq 1$$

α و β ~~مساويين~~ $\alpha = \frac{1}{\beta} \Rightarrow P \cdot \beta \times \frac{1}{\beta} = \frac{m^2 - r}{-m} = 1$
~~X~~ if $m = -r \Rightarrow r^2 + r + r = 0 \Rightarrow 2r = 0$
~~و~~ $m = 1 \Rightarrow -r^2 + r - 1 = 0$ /
 $m = 1$

معادله α, β و $\alpha\beta = \gamma = \rho$
 $\alpha^2\beta^2 = \gamma^2 \Rightarrow \rho\beta = \gamma \Rightarrow \gamma \times \rho = \gamma^2 \Rightarrow \beta = \frac{\gamma}{\rho}$ و $\alpha = \frac{\gamma}{\rho}$
 $\alpha + \beta = m = \frac{1}{\rho} + \frac{\gamma}{\rho} = \frac{\gamma + 1}{\rho} = \frac{\gamma\gamma}{\rho} \checkmark$
 $\checkmark \Delta > 0$

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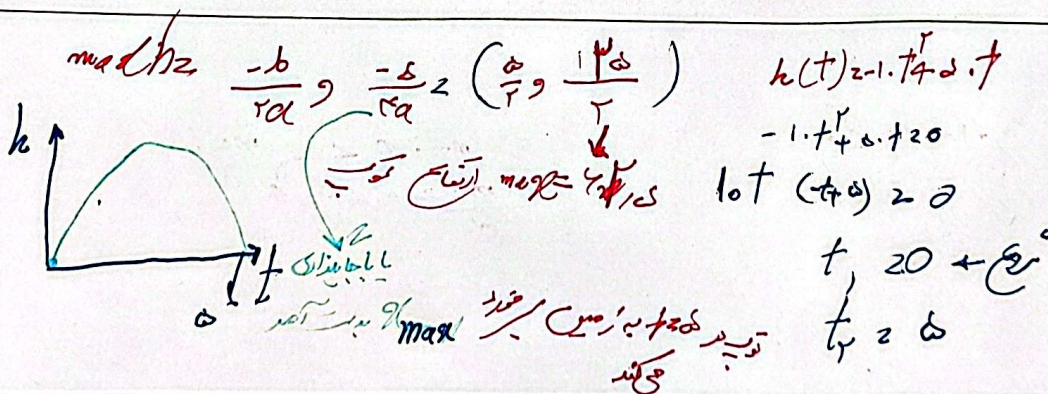
$\alpha = \gamma\beta \Rightarrow \rho = \gamma\beta^2, \gamma = \gamma\beta = \gamma \Rightarrow \beta = 1$ و $\alpha = \gamma \Rightarrow m = \gamma$ و $\Delta > 0$ ✓
 $b^2 - 4ac = 14 - 12\gamma > 0$ ✓

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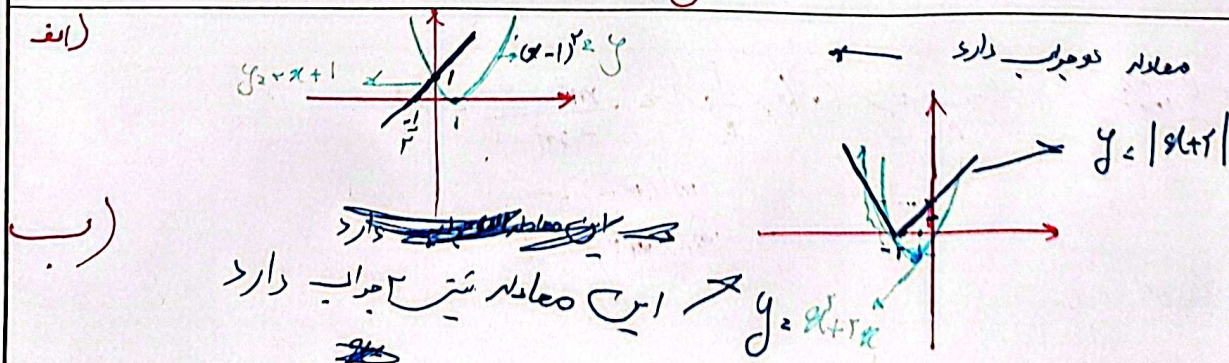
$\frac{a^2 + 1}{a^2} = \frac{a^2 + 1}{a^2} = \frac{(a^2 + 1)(a^2 - \gamma a + \gamma)}{a^2} = \frac{\gamma a^2 (a^2 - \gamma a + \gamma - \gamma a + \gamma)}{(a^2 - \gamma)(a^2)^2}$

$a^2 - \gamma a + \gamma = 0$
 $a^2 - \gamma a + \gamma = 0$
 $a^2 + \gamma = \gamma a$

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