

۲۰ عالی نوشتن!

$$\frac{-\Delta}{2a} \rightarrow y_{max}$$

$$\frac{-(b^2 + 12)}{-4} = 5$$

$$b^2 + 12 = 20$$

$$b^2 = 8 \rightarrow b = \pm 2\sqrt{2} \checkmark$$

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$$t^2 - 2t + 3 = 0 \quad (m^2 = t)$$

$$\Delta < 0$$

پس این معادله

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$$t^2 - 2t - 15 = 0 \quad (f = m^2 = t)$$

$$(t-5)(t+3)$$

$$f - m^2 = -3$$

$$m^2 = 3 \rightarrow m = \pm\sqrt{3} \checkmark$$

$$f - m^2 = 5$$

$$m^2 = -1$$

غیرممکن

$$f m^2 - 12m + m$$

$$m^2 - f m + \frac{m}{f}$$

$$S = f$$

$$\frac{m}{f} = 1 \text{ یا } 3 \rightarrow m = 12 \checkmark$$

$$\alpha + (\alpha + 2) = f$$

$$\alpha = 1 \quad \beta = \alpha + 2 = 3 \checkmark$$

$$\alpha = 1 \checkmark$$

$$\beta = 3 \checkmark$$

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$$3m^2 - 4m + m - 1$$

$$2m^2 - 3m + \frac{m-1}{3}$$

$$\alpha + \beta = 2$$

$$2\alpha + 2\beta = 4$$

$$2\alpha - \beta = 4$$

$$\beta = 0$$

$$\text{if } \beta = 0 \rightarrow p = 0$$

$$m - 1 = 0$$

$$m = 1 \checkmark$$

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$$-m m^2 + f m + m^2 - 2 = 0$$

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

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

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

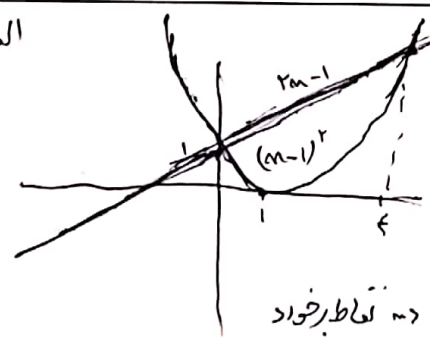
$$m = -2 \text{ یا } 1$$

$$m = 1 \checkmark$$

$$\rightarrow \text{if } m = -2 \rightarrow \Delta = 0 \quad 2m^2 + f m + 2 = 0 \quad \text{غیرممکن}$$

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$q^T - m \alpha + r = 0$ $\alpha B^T = r$ $\alpha B = r$ $B = \frac{r}{r}$ $\alpha = \frac{q}{r}$	$\frac{r}{r} + \frac{q}{r} = \frac{14 + 10}{12} = \frac{24}{12}$	$\frac{24}{12}$	$\frac{24}{12}$	$\frac{24}{12}$
$q^T - m \alpha + r = 0$ $\alpha + \beta = r$ $\alpha + r \alpha = r$ $\alpha = 1$ $\alpha + r \alpha = r \alpha^T = r(1)^T = r$ $m = 14$				
$q^T - V m + r = 0$ $p = r$ $\alpha B = r$ $B = \frac{r}{\alpha} \Rightarrow B^T = \frac{1}{\alpha^T}$ $\alpha^T + \frac{1}{\alpha^T} = \alpha^T + B^T = 5^T - 35p + V^T - r(V \times r) = 35r - 4r = 30$				
$m \alpha + y m \Rightarrow \frac{-\Delta}{\Delta a} = \frac{-d \cdot r}{-r \cdot r} = 4r/d$ $-10t + d \cdot t = 0$ $-10t(t + d) = 0$ $t = \Delta$ $t = 0$ $L \rightarrow \text{قوة}$				
 (a)	 (b)			