

۲۰ عالی نوشتن!

$$-\frac{\Delta}{4a} = \sqrt{\phantom{x}} : -\frac{b^2 - 4(-1)(+3)}{-4} = \sqrt{\phantom{x}} \quad \begin{cases} b = -4 \\ b = 4 \end{cases} \checkmark$$

(۲)

الف)  $x^2 = t \quad t^2 + 2t + 3 = 0 \quad \Delta \rightarrow \Delta < 0$  ریشه ندارد  $\checkmark$

(۲)

ب)  $x^2 = t \quad t^2 - 2t - 15 = 0$   
 $\begin{cases} t = -3 \Rightarrow x^2 = -3 \rightarrow x = \pm \sqrt{-3} \checkmark \\ t = 5 \Rightarrow x^2 = 5 \rightarrow x = \pm \sqrt{5} \checkmark \end{cases}$

۲

$S = \alpha + \alpha + 2 = 4 \Rightarrow 2\alpha = 2 \Rightarrow \alpha = 1, \beta = 3$

(۲)

$P = \alpha \cdot \beta = 3 \Rightarrow \frac{m}{4} = 3 \Rightarrow m = 12 \checkmark$

۴

$$\begin{cases} \alpha + \beta = 2 \\ 2\alpha - \beta = 4 \end{cases}$$

---

$\alpha = 2 \quad \beta = 0$

$P = \alpha \cdot \beta = 0 = \frac{m-1}{3} \Rightarrow m = 1 \checkmark$

(۲)

۴

Viana

Subject :

Year:

Month:

Date:

$$\alpha, \frac{1}{\alpha} \Rightarrow p=1 = \frac{m^2-2}{-m} \begin{cases} \rightarrow m=1 \checkmark \\ \rightarrow m=-2 \text{ غلط} \end{cases}$$

سوال ۵ : (۲)

$$\Delta > 0 : \text{دو ریشه متمایز} \quad 14 - 4(-m)(m^2-2) > 0 \Rightarrow m \in (-2, +\infty)$$

$$\boxed{m=1} \checkmark$$

$$P = \begin{cases} \alpha \cdot \beta = \mu \\ \alpha \cdot \beta^r = \kappa \end{cases}$$

$$\alpha = \frac{q}{\kappa}$$

$$\beta = \frac{\kappa}{\mu} \quad S = \frac{q}{\kappa} + \frac{\kappa}{\mu} = \frac{\mu \kappa}{\mu \kappa} = m \checkmark$$

$$\alpha + \mu \alpha = \kappa \alpha = \kappa \Rightarrow \alpha = 1, \beta = \mu$$

$$P = \alpha \cdot \beta = \mu = m \checkmark$$

$$P = \alpha \cdot \beta = \mu \Rightarrow \alpha^{\mu} \cdot \beta^{\mu} = 1 \Rightarrow \frac{1}{\alpha^{\mu}} = \frac{\alpha^{\mu} \cdot \beta^{\mu}}{\alpha^{\mu}} = \beta^{\mu}$$

$$\Rightarrow \alpha^{\mu} + \beta^{\mu} = 5^{\mu} - 3SP = (V)^{\mu} - 3(V)(\mu) = 301 \checkmark$$

$$\text{ارتفاع } \max = y_{\max} = -\frac{\Delta}{2a} = -\frac{1200}{-40} = 30 \checkmark$$

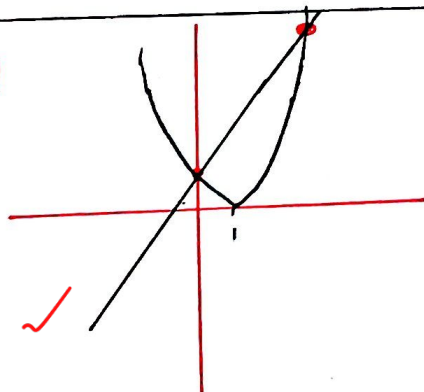
نقطه شیب  
ت=0  
ت=5

$$\text{خواب زمین : ریشه : } -10t^2 + 50t = 0 \quad t(-10t + 50) = 0 \Rightarrow t = 0 \text{ و } t = 5 \checkmark$$

الف)

$$\eta = 0 \checkmark$$

$$\eta = 4 \checkmark$$



ب)

$$\eta = -2 \checkmark$$

$$\eta = 1 \checkmark$$

