

(17, 14)

ازهم ریاضی دقتو

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$$\frac{-\Delta}{\Delta a} = V \rightarrow -b - 14 = -18 \Rightarrow b^2 = 14 \quad b = \pm \sqrt{14}$$

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$$\text{الف) } f(x) = x^2 + 2x + 3 \quad x^2 + 2x + 3 = 0 \quad \Delta < 0 \quad \times$$

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$$\text{ب) } f(x) = (x - x^2)^2 - 2(x - x^2) - 10 \quad (x - x^2)^2 - 2(x - x^2) - 18 = 0$$

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$$(t - 0)(t + 3) = 0 \quad \begin{cases} t = 0 \\ t = -3 \end{cases}$$

$$x - x^2 = 0 \Rightarrow x^2 = -1 \times \quad x - x^2 = -3 \Rightarrow x^2 = -x - 3 \quad x = \pm \sqrt{10}$$

$$\alpha, \alpha^2 \Rightarrow S = \alpha + \alpha^2 = -\frac{b}{a} = -1 \Rightarrow \alpha = 1, \alpha^2 = 3$$

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$$p = \frac{c}{a} = \frac{m}{1} = 3 \Rightarrow m = 14 \quad \begin{matrix} \text{فرض } 14 \text{ و } 14 \\ \Delta > 0 \end{matrix}$$

(1, 14)

$$B = 2\alpha - 1 \Rightarrow S = 2\alpha - 1 = -\frac{b}{a} = 2 \Rightarrow \alpha = 2, B = 0$$

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$$p = 0 = \frac{m-1}{2} \Rightarrow m = 1 \quad \begin{matrix} \text{فرض } 1 \text{ و } 1 \\ \Delta > 0 \end{matrix}$$

(1, 0)

$$\alpha, \frac{1}{\alpha} \Rightarrow p = 1 = \frac{c}{a} = \frac{m^2 - 1}{-m} = 1 \Rightarrow m^2 - 1 = -m$$

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$$m^2 + m - 1 = 0$$

$$(m + 1)(m - 1) = 0 \quad \begin{cases} 1 \rightarrow \Delta > 0 \\ -1 \rightarrow \Delta < 0 \end{cases}$$

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$$\alpha = \frac{1}{\beta^2} \quad p = \frac{c}{a} = 3 = -\frac{1}{\beta^2} \times \beta^2 = \frac{1}{\beta} \Rightarrow \beta = \frac{1}{3}, \alpha = \frac{1}{\beta^2} = 9$$

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$$S = \frac{1}{\alpha} + \frac{1}{\beta} = \frac{1}{9} + \frac{1}{3} = \frac{4}{9} = -\frac{b}{a} = m \Rightarrow m = \frac{4}{9}$$

$$\begin{aligned} \alpha\beta^2 &= 1 \quad \alpha\beta^2 = 9 \\ \rightarrow \alpha &= \frac{1}{\beta^2}, \beta = \frac{1}{\alpha} \\ S &= m = \alpha + \beta = \frac{10}{9} \end{aligned}$$

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$$x^2 - \frac{10x}{9} + 1 = 0 \quad \Delta > 0$$

$$K, \varphi \alpha \rightarrow S = F\alpha = \frac{-b}{a} = F \Rightarrow \alpha = 1, \beta = F$$

$$P = \frac{S}{a} \left(F^2 = M \right) \quad x^F - Fx + F \rightarrow \Delta F = 0 \checkmark$$

$$x^F + \frac{1}{x^F} = \left(\alpha_0 \frac{F}{\alpha} \right) \left(\alpha^F F + \frac{F}{\alpha^F} \right) \frac{S}{\alpha} = F \frac{F}{\alpha} = \beta, (\alpha_0 \beta) (\alpha^F + \beta^F F) \quad 1$$

$$(\cdot V)(F - F - F) = 0.1$$

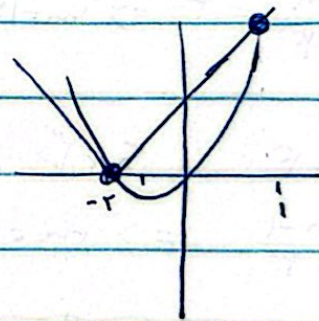
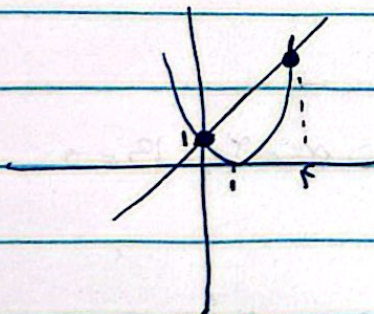
$$h(t) = -\frac{1}{2}gt^2 + v_0 t$$

$$\frac{1}{2}gt(-t + \Delta) \quad h(t) = 0, \quad t = 0, \quad t = \Delta$$

$$h_{max} = \frac{-\Delta}{2a} = \frac{-v_0 \times \Delta}{-g} = \frac{v_0^2}{2g}$$

$$(a) \quad (x-1)^2 = 2x_0 + 1$$

$$(b) \quad x^2 + 2x = |x_0 + 1|$$



$$x^2 + 1 - 2x = 2x_0 + 1$$

$$x^2 - 2x = 0 \quad x(x-2) = 0 \quad x = 0, 2$$

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$$x^2 + 2x = x_0 + 1$$

$$x^2 + 2x - 1 = 0 \quad \begin{cases} x = 1 \\ x = -2 \end{cases}$$

$$x^2 + 2x - 1 = 0 \quad x = 1, -2$$

$$x^2 + 2x + 1 = 0 \quad \begin{cases} x = -1 \\ x = -1 \end{cases}$$

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