

$$\frac{-8}{4a} = \frac{+12+b^2}{4x+1} = V \quad 28 = 12 + b^2 \quad b^2 = 16 \quad b = \pm 4 \checkmark$$

(۲)

اف) $m^2 = t \quad x^2 + 2x + 2 \rightarrow 0 < 0$ (ریشه حقیقی) $\checkmark$

(۲)

$\therefore (4 - m^2) = t \quad x^2 - 2x - 10 = 0 = (t - 4)(t + 2) \quad t = 4 \text{ و } -2$
 $4 - m^2 = 4 \quad m^2 = 0 \quad 4 - m^2 = -2 \Rightarrow m = \pm \sqrt{6} \checkmark$

$a + b = 4 \quad a + 2 = b \quad 2a + 2 = 4 \quad a = 1 \quad b = 3 \checkmark \quad \frac{m}{4} = 2 \times 1 \quad m = 12 \checkmark$

(۲)

$$\begin{cases} a + b = 2 \\ 2a - b = 4 \end{cases}$$

$$\underline{a = 2}$$

$$b = 0$$

$$2 \times a = \frac{m-1}{2} \Rightarrow \frac{m-1=0}{m=1} \checkmark$$

(۲)

$$\frac{1}{a} \times a = 1 \Rightarrow p = 1$$

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

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

$$m = 1, -2$$

~~۴ - ۱ = ۳~~ $m = 1 \Rightarrow -m^2 + 2m = 1$

$m = -2 \quad 2m^2 + 4m + 2 = 0$

ریشه ها منفی است
 و چون $\Delta < 0$ پس
 ریشه ها حقیقی نیستند

$m = 1$ $m = -2$ $\Delta = 0$
 بی‌نهایت!

(۱۷۵)

$$aB = \frac{1}{12} \quad aB \times B = \frac{1}{12} \quad B = \frac{1}{12} \Rightarrow \frac{1}{12} - \frac{1}{12}m + \frac{1}{12} = 0$$

$$m = \frac{1}{12} \quad \checkmark \quad 0 > 0$$

(2)

$$aB = \frac{1}{12} \quad a+B = \frac{1}{12} \Rightarrow a+\frac{1}{12} = \frac{1}{12} \quad a=0 \quad B = \frac{1}{12} \quad m = \frac{1}{12} \quad \checkmark$$

(2)

$$aB = \frac{1}{12} \quad B = \frac{1}{12} \quad B' = \frac{1}{a'} \Rightarrow a' + \frac{1}{a'} = a' + B' = \frac{1}{12} - \frac{1}{12}SP$$

$$= \frac{1}{12} \times \frac{1}{12} - \frac{1}{12} \times \frac{1}{12} = \frac{1}{12} \quad \checkmark \quad S = \frac{1}{12}$$

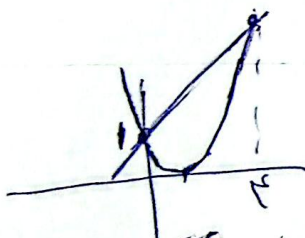
(2)

$$\frac{-\Delta}{\Delta a} = \frac{+\omega_0}{+10 \times \frac{1}{12}} = \frac{\omega \times \omega \times 100}{10 \times \frac{1}{12}} = \frac{100}{\frac{1}{12}} = 1200 \approx \text{Max} \quad \checkmark$$

(2)

$$-10 \times \frac{1}{12} + \omega_0 t = 0 = +10 t (t - \omega) \Rightarrow t = \omega \quad \checkmark$$

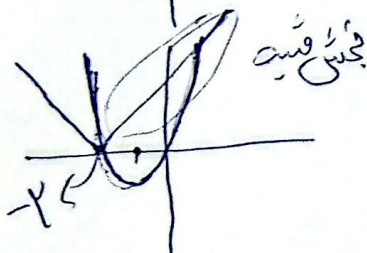
الف)



$$m' - m + 1 = \frac{1}{12} \quad A = \frac{1}{12} \quad B = \frac{1}{12} \quad m = \frac{1}{12} \quad \checkmark$$

(2)

ب)



$$m' + m = \frac{1}{12} \quad m' + m - \frac{1}{12} = 0 \quad m = \frac{1}{12} \quad \checkmark$$

3/12/12