

$$\frac{-\Delta}{c_a} = 7 \rightarrow \frac{c_a c - b^2}{c_a} = \frac{-12 - b^2}{-4} = 7 \rightarrow -12 - b^2 = -28 \rightarrow -b^2 = -16 \rightarrow b = \pm 4$$

۲- همیشه + ریشه ندارد $x^2 + 2x^2 + 3 \rightarrow$

$$\begin{aligned} (t+1)^2 - 2 + -1d = 0 &\rightarrow \begin{cases} t-d=0 \rightarrow t=d \\ t+3=0 \rightarrow t=-3 \end{cases} \\ &\begin{cases} 4-x^2=d \rightarrow x^2=-1 \times \\ 4-x^2=-3 \rightarrow x^2=7 \rightarrow x=\pm\sqrt{7} \end{cases} \end{aligned}$$

۳- $x, x+2 \quad S=4 \quad 2x+2=4 \rightarrow x=1 \quad \{ \text{جواب } (1, 3) \}$

$$(x-1)(x-2) = x^2 - 4x + 2 \rightarrow x^2 - 4x + 12 \rightarrow m = +12$$

۴- $4a = 2a^2 + m - 1 \rightarrow 2a = a^2 + \frac{m-1}{2}$

$$S = \frac{-b}{a} \rightarrow 2$$

$$4a - B + a + B = 4 \rightarrow 2a = 4 \rightarrow a = 2, B = 0$$

$$\frac{c}{a} = 0 \rightarrow m - 1 = 0 \rightarrow m = 1$$

۵- $\Delta > 0 \quad b^2 - 4ac$

$$P=1 \rightarrow \frac{m^2-2}{-m} = 1 \rightarrow m^2-2 = -m \rightarrow m^2+m-2=0 \rightarrow \begin{cases} m=-2 \\ m=+1 \end{cases} \xrightarrow{\Delta=0} \text{در صورت مابینان فقط یک ریشه می باشد}$$

۶- $(\alpha\beta)B=4 \rightarrow 3(B)=4 \rightarrow B=\frac{4}{3}, \alpha=\frac{9}{2}$

$$(x-\frac{4}{3})(x-\frac{9}{2}) = x^2 - \frac{41}{12}x + 3 \rightarrow m = \frac{-41}{12}$$

۱۲، ۱۳

۷- $2x, x \quad S = \frac{-b}{a} = 3 \quad \{x=4 \rightarrow x=1 \rightarrow 1, 3\}$

$$(x-1)(x-2) = x^2 - 4x + 2 \rightarrow m = 3$$

۸- $\alpha\beta=2 \quad B=\frac{2}{\alpha} \rightarrow B^2=\frac{4}{\alpha^2} \rightarrow x^2+B^2$

$$S^2 - 2pS \rightarrow 3^2 - 2(3)(2) \rightarrow 9 - 12 = -3$$

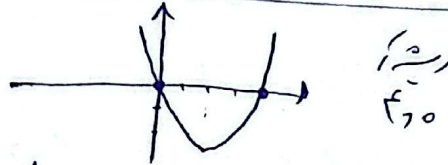
$$\begin{array}{r} 49 \quad 14 \\ \times 12 \\ \hline 98 \quad 14 \end{array}$$

$$y_s = \frac{-\Delta}{f_a} \rightarrow \frac{f_a c - b f}{f_a} \rightarrow \frac{-f d_{eo}}{-f_o} = \frac{f d_o}{f} \rightarrow \frac{1 f d}{f} = 9(1) \text{ m}$$

$$-10t^2 + d_0 t = 0 \rightarrow 10t(-t + d) \rightarrow t = d_s$$

-9

$$x^2 - 1x + 1 = 1x + 1 \rightarrow x^2 - 1x$$



-10

$$x^2 + 1x = x + 1 \rightarrow x^2 + x - 1$$

$$x^2 + 1x = -x - 1 \rightarrow x^2 + 1x + 1$$

