

$$y = -x + b + r \rightarrow \frac{-\Delta}{r} = \frac{-14 + b}{-r} = v \rightarrow b = 14 \rightarrow \boxed{b = 14} \quad \boxed{-1}$$

$$w) f(x) = x^r + b + r \quad \Delta < 0 \rightarrow \text{no solution} \quad \boxed{-2}$$

$$u) f(x) = (x + r)^r - r(x + r) - 10 = ((x + r) - 1)(-x + r + r) = (x + r)(x - v) \rightarrow x = +\sqrt{v}$$

$$x^r - 14x + m = 0 \rightarrow x, x + r \rightarrow r + r = \frac{14}{r} \rightarrow x = 1 \quad \boxed{-3}$$

$$\rightarrow x = 1 \rightarrow r - 14 + m = 0 \rightarrow \boxed{m = 13}$$

$$x^r - 14x + m - 1 = 0 \rightarrow \begin{cases} \alpha + \beta = r \\ r\alpha - \beta = r \end{cases} \quad \alpha\beta = \frac{m-1}{r} \quad \boxed{-4}$$

$$m-1 = vr \rightarrow \boxed{m = -11}$$

$$r\alpha = 4 \rightarrow \alpha = 4 \quad \beta = -r$$

$$m x^r + r x + m^r - r = 0 \rightarrow \beta = \frac{1}{r} \rightarrow \beta \left(\frac{1}{r} \right) = 1 = \frac{m^r - r}{-m} \rightarrow m^r - r = -m \quad \boxed{5}$$

$$\Delta > 0 \rightarrow 14 + m^r - r m > 0 \rightarrow \begin{cases} 14 + 1 - r > 0 \checkmark \\ 14 - 1 + r > 0 \checkmark \end{cases} \quad m^r + m - r = 0$$

$$\boxed{m = -r, 1} \quad \boxed{-6}$$

$$x^r - m x + r = 0 \rightarrow \alpha\beta = r \rightarrow \beta = \frac{r}{m}, \alpha = \frac{r}{m} \rightarrow \alpha + \beta = \frac{14 + r}{r} \quad \boxed{7}$$

$$\boxed{m = \frac{r}{14}}$$

$$x^r - r x + m = 0 \rightarrow \alpha, r\alpha \rightarrow \alpha + r\alpha = r\alpha = r \rightarrow \alpha = 1 \quad \boxed{-8}$$

$$1 - r + m = 0 \rightarrow \boxed{m = r}$$

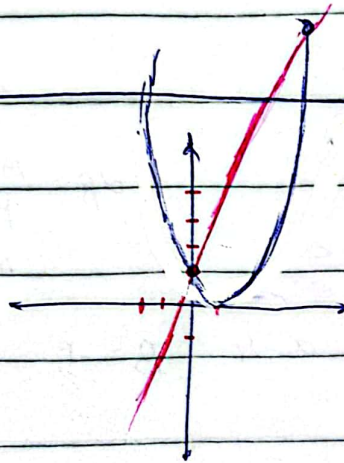
$$\lambda^r V_h + r = 0 \rightarrow \alpha + \beta \rightarrow \alpha\beta = r \rightarrow \beta = \frac{r}{\alpha} \quad \alpha + \beta = V \quad \boxed{-A}$$

$$\alpha^r + \frac{1}{\alpha^r} \rightarrow \left(\frac{\alpha + \frac{r}{\alpha}}{V} \right)^{\mu} - 4 \left(\frac{\alpha + \frac{r}{\alpha}}{V} \right) = 101$$

$$\lambda(t) = \lambda_0 t^r + \omega_0 t \rightarrow \max \left| \begin{aligned} -\frac{b}{r a} &= \frac{-\omega_0}{-r_0} = \frac{\omega}{r} = r_1 \omega \\ -\frac{\Delta}{r a} &= \frac{-r \omega_{00}}{r_0} = \frac{4 r_1 \omega}{r_0} \rightarrow \max \omega \end{aligned} \right. \quad \boxed{-9}$$

$$-t(t - \omega_0) \rightarrow \underline{t = \omega_0} \Rightarrow \text{بر ضرورت باز می آید}$$

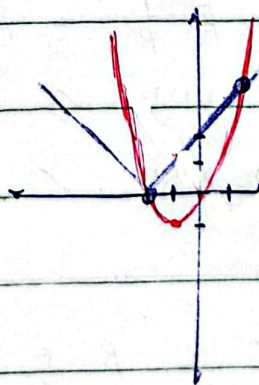
$$c1) (\lambda + 1)^r = r_h + 1$$



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$$b) \lambda^r + r_h = (\lambda + r)$$



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