

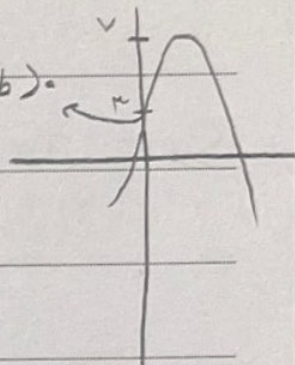
زهرا صیانی / تلف شماره ۱۴ / از دستم نرفته

$$-\frac{\Delta}{r_a} = \frac{r_a c - b^2}{r_a} = \frac{-12 - b^2}{-4} = 7 \quad b) \cdot$$

$$-12 - b^2 = -28 \rightarrow b^2 = 16 \rightarrow b = \pm 4$$

$$b = 4$$

عق



۲-  $t^2 + 2t + 3 \rightarrow \Delta < 0$  → ریشه ندارد (الف)

$$n^2 = t$$

صفر جمع ندارد!

۱-  $t^2 - 2t - 15 = 0 \rightarrow (t-5)(t+3) = 0$   
 $(n^2 - n) = t$

$$n^2 - n = 5 \rightarrow n^2 = 6 \quad n^2 - n = -3 \rightarrow n^2 = 4$$

عق

$$n = \pm \sqrt{6}$$

Arman

$$K_n^r - 17n + m = 0$$

$$\alpha$$

$$S = r\alpha + r$$

-K

$$\alpha + r$$

$$P = \alpha^r + r\alpha$$

$$S = K = r\alpha + r$$

$$\alpha = 1$$

$$\rightarrow P = 1 + r = K = \frac{m}{r}$$

$$\alpha + r = K$$

$$m = 1r$$

$$K_n^r - 9n + m - 1 = 0$$

$$S = r = \alpha + \beta$$

-K

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

$$K\alpha = 9 \rightarrow \alpha = r \rightarrow K(r) - 9(r) + m - 1 = 0$$

$$m - 1 = 0 \rightarrow m = 1$$

$$-m^r + r_m + m^r - r = 0 \rightarrow \alpha$$

$$\hookrightarrow \frac{1}{\alpha} \rightarrow \beta = 1$$

$$\Delta > 0 \rightarrow b^r - r_m > 0 \rightarrow 14 > r(-m)(m^r - r)$$

$$r > -m^r + r_m \rightarrow m^r - r_m + r > 0$$

$$\beta = 1 \rightarrow \frac{m^r - r}{-m} = 1 \rightarrow m^r + m - r = 0$$

$$(m+r)(m-1) = 0$$

$\begin{cases} m=1 \\ m=-r \end{cases}$

GGG

$$m=1 \rightarrow (1)^r - r(1) + r = 1 + r - r > 0 \rightarrow \text{GGG}$$

$$m=-r \rightarrow (-r)^r - r(-r) + r = -1 + r + r = 0 \rightarrow \text{GGG}$$

$$x^r - mx + r = 0 \rightarrow \alpha\beta = p = r$$

$$\alpha\beta^r = r \rightarrow \beta \left( \frac{\alpha}{\beta} \right) = r \rightarrow \beta = \frac{r}{\frac{\alpha}{\beta}}$$

$$\alpha = \frac{\frac{r}{\beta}}{\frac{1}{\beta}} = \frac{r}{\beta}$$

$$S = m = \frac{9}{r} + \frac{r}{r} = \frac{r^2 + 9}{1r} = \frac{r^2}{1r} = m$$

Arman

$$x^r - r_n + m = 0 \rightarrow \alpha \rightarrow S = r\alpha$$

$$\downarrow r\alpha \quad p = r\alpha^r = m$$

-V

$$S = r = r\alpha \rightarrow \alpha = 1 \rightarrow p = r(1) = r = m$$

$$x^r - vx + r = 0 \rightarrow \alpha^r = vx^r - r\alpha \rightarrow \alpha\beta = r$$

-A

$$\alpha^r + \frac{r}{\alpha} = ? \rightarrow S = v \quad \beta = \frac{r}{\alpha}$$

$$\underbrace{\left(\alpha + \frac{r}{\alpha}\right)}_{\beta} \underbrace{\left(\alpha^r + \frac{r}{\alpha^r} - r\right)}_{\beta^r} = v \left( r^9 - \frac{r^4}{r} - r \right) = v(r^r) \Rightarrow$$

$$\boxed{r_0 = 1}$$

$$h = -\frac{1}{2}at^2 + \omega \cdot t$$

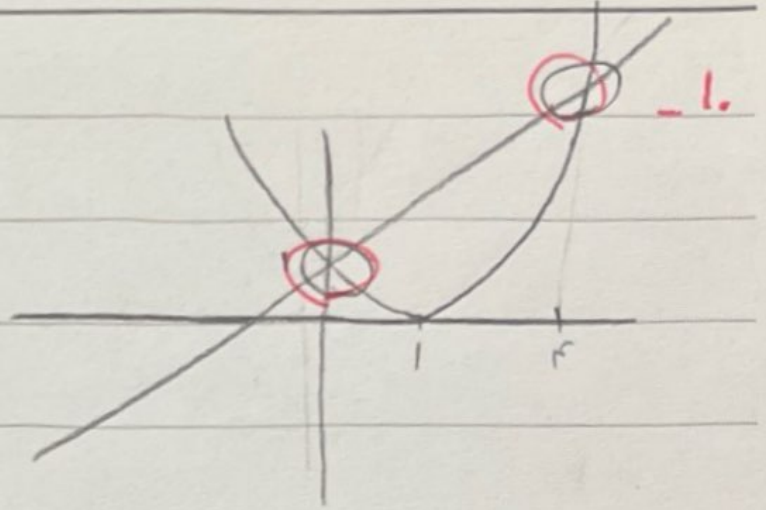
-9

$$t_{max} = \frac{-\omega_0}{-r_0} = \frac{\omega}{r}$$

$$h_{max} = -\frac{r_0}{2} \left( \frac{r_0}{r} \right) + \omega \left( \frac{\omega}{r} \right) = -\frac{r_0^2}{2r} + \frac{\omega^2}{r} = \frac{9r_0^2}{2r}$$

الف)  $(n-1)^r = r_m + 1$

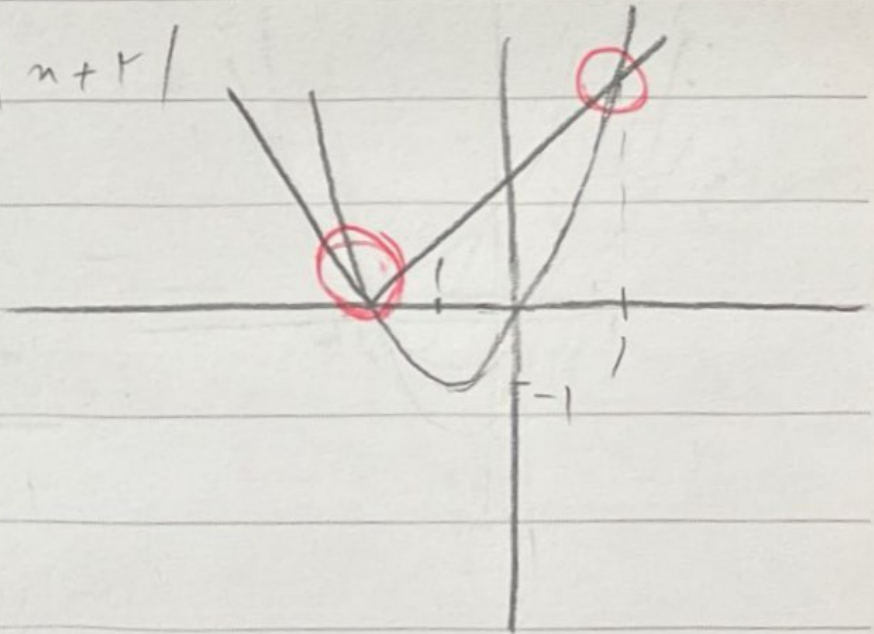
$n^r - r_m + 1$



$x=0$

$x=r$

ب)  $n^r + r_m \leq |n+r|$



$n \leq -r$

$n=1$