

19

1

$$g = -2r + 6r + r$$

$$g_s = \frac{-\Delta}{\epsilon_a} = v \rightarrow \frac{-6r - 1r}{-f} = v \rightarrow 6r + 1r = 21 \rightarrow 6r = 14 \rightarrow 6 = 14$$

5

الف) $f(m) = m^2 + kmr + r$ $\Delta = 6r - \epsilon_a c = f - 1r = -150 \rightarrow$ نمی باشد

5

ب) $f(m) = (f - 2r)^2 - 2(f - 2r) - 10 \xrightarrow{f - 2r = t} t^2 - 2t - 10 = 0 \rightarrow \begin{cases} t = 2 \rightarrow f - 2r = 2 \\ 2r = -1 \times \\ t = -2 \rightarrow f - 2r = -2 \\ 2r = 4 \rightarrow m = 1 \end{cases}$

$$fmr - 19m + m = 0$$

$$S = \alpha + \alpha + r = \frac{-b}{a} \rightarrow 2\alpha + r = \frac{19}{f} = f \rightarrow 2\alpha = f - r \rightarrow \alpha = 1 \rightarrow \alpha + r = r$$

1, 10

$$P = \frac{c}{a} = \frac{m}{f} = r \rightarrow m = 1r \quad fmr - 19m + m = 0 \quad \Delta > 0 \checkmark$$

$$fmr - 9m + m - 1 = 0 \quad 2\alpha - \beta = f \rightarrow \beta = 2\alpha - f \quad \alpha + \beta = \frac{-b}{a} \rightarrow \alpha + 2\alpha - f = \frac{-b}{a} = f$$

$$Pq = 9 \rightarrow \alpha = 2, \beta = 0$$

1, 10

$$P = \frac{c}{a} = \frac{m-1}{r} = 0 \rightarrow m-1 = 0 \rightarrow m = 1 \quad fmr - 9m = 0 \quad \Delta > 0 \checkmark$$

10

$$-m2r + fm + m^2 - r = 0$$

$$\beta = \frac{1}{\alpha} \rightarrow P = \alpha \times \frac{1}{\alpha} = 1 \quad \frac{c}{a} = \frac{m^2 - r}{-m} = 1 \rightarrow m^2 + m - r = 0 \quad m = 1, -r$$

5

$$\left\{ \begin{array}{l} m = 1 \rightarrow -2r + fm - 1 = 0 \quad \Delta = 6r - \epsilon_a c = 19 + f = 20 > 0 \\ m = -r \rightarrow fmr + fm + r = 0 \quad \Delta = 19 - 19 = 0 \times \rightarrow \text{نمی باشد} \end{array} \right\} \rightarrow m = 1$$

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

$$\alpha\beta = f \rightarrow \alpha\beta \times \beta = f \quad \beta = \frac{f}{r} \text{ و } \alpha = \frac{r}{f}$$

4

$$P = \alpha\beta = \frac{c}{a} = r$$

$$S = \alpha + \beta = \frac{f}{r} + \frac{r}{f} = \frac{19 + 2r}{1r} = \frac{f + r}{1r} = m$$

1, 10

$$2r - \frac{fmr}{1r} + r = 0 \quad \Delta > 0 \checkmark$$

$$n^r - r m + m = 0 \quad \beta = r \alpha$$

$$5 = \alpha + \beta = \alpha + r \alpha = r \alpha = \frac{-b}{a} = r \rightarrow \alpha = 1, \beta = r$$

$$r = \alpha \beta = \frac{5}{a} \rightarrow r = \frac{m}{1} \rightarrow m = r \quad n^r - r n + r \rightarrow D \gamma = 0 \checkmark$$

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

$$(a+b)^r = a^r + b^r + r a b (a+b) \rightarrow \left(\alpha + \frac{r}{\alpha}\right)^r = \alpha^r + \frac{r^r}{\alpha^r} + r \left(\alpha + \frac{r}{\alpha}\right)$$

$$\alpha^r + \frac{r^r}{\alpha^r} = \left(\alpha + \frac{r}{\alpha}\right)^r = r \left(\alpha + \frac{r}{\alpha}\right) = r^r - r \rightarrow r < r < r = r_0$$

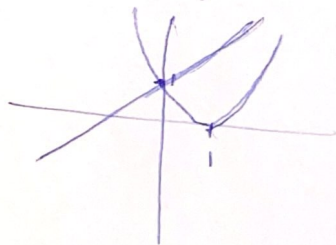
$$\alpha + \frac{r}{\alpha} = \frac{\alpha^r + r}{r} = \frac{r \alpha}{r} = \alpha = r$$

$$h(t) = -10t^r + d_0 t \quad g_s = \frac{-\Delta}{t_a} = \frac{-9800}{-r_0} = 4r_0$$

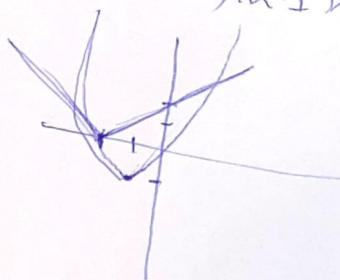
$$h=0 \rightarrow -10t^r + d_0 t = 0 \rightarrow t(d_0 - 10t) = 0 \rightarrow \begin{cases} t=0 \\ t=d \end{cases}$$

نوعی از ...

$$\text{الف) } (m-1)^r = r m + 1$$



$$a = 1, r$$



$$m^r + m = |m+r|$$

$$m = -r_0$$