

B دهم

طاهاتجیری

1

$$\frac{-b}{2a} = -1 \quad an^2 + 2a + c$$

$$\text{if } n = -1 \quad -a + c = 9 \quad c = a + 9$$

$$an^2 + 2a + a + 9 \quad \text{if } n \rightarrow 3 \quad 14a = -1 \quad a = -\frac{1}{14}$$

$$-\frac{1}{14}n^2 - 1n + 11/14$$

2

$$\Delta > 0 \rightarrow m^2 - 1m - \epsilon > 0 \quad m > 1 \vee m < -\epsilon$$

$$S > 0 \rightarrow -\frac{m}{r} > 0 \quad \frac{m}{r} < 0 \quad m < 0$$

$$P > 0 \rightarrow \frac{m+y}{r} > 0 \quad m > -y$$

$$-y < m < -\epsilon$$

3

$$\text{شماره} \rightarrow n_1, n_2 \quad n_1 + n_2 = \frac{1}{n_1 n_2}$$

$$\frac{1}{r-m} = \frac{r}{r-m} \rightarrow \frac{r}{r-m} = \frac{r}{r-m}$$

$$r - \epsilon m - m + r m^2 = 9$$

$$r m^2 - 2m - r$$

$$m = -1 \quad (\Delta < 0) \times$$

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

$$m = \frac{r}{r} \checkmark$$

-4

$$n^r + s(n) + p \longrightarrow$$

$$n^r + (n_1^r + n_r^r + \frac{1}{n_1} + \frac{1}{n_r})(n) + \longrightarrow$$

$$(n_1 + n_r) + n_1^r + n_r^r + \frac{1}{n_1 n_r}$$

$$n \rightarrow n^r - n - \varepsilon$$

$$s = -1 \quad p = -\varepsilon$$

$$n^r + (s^r - r s p + \frac{s}{p})(n) + (p^r + s^r - r p + \frac{1}{p})$$

$$(-1 - 1r + \frac{1}{1r})$$

$$(-\varepsilon + 1 + 1 + \frac{1}{\varepsilon})$$

$$n^r + (-\frac{1}{1r})n + (\frac{r19}{\varepsilon})$$

-5

$$(n-r)\sqrt{n} - \frac{\sqrt{n}}{n} = 0 \quad \times n$$

$$(n^r - rn)\sqrt{n} - \sqrt{n} = 0 \quad \div \sqrt{n} \quad n^r - rn - 1$$

$$s = -\frac{b}{ra} \longrightarrow \textcircled{1}$$

-6

$$\Delta \rightarrow a^2 - \epsilon \lambda$$

$$\frac{a \pm \sqrt{a^2 - \epsilon \lambda}}{r}$$

$$a > 0 \rightarrow \frac{a}{r} + \frac{\sqrt{a^2 - \epsilon \lambda}}{r} = \frac{a}{r} - \frac{\sqrt{a^2 - \epsilon \lambda}}{r} \rightarrow a = \epsilon \sqrt{r} \quad \ominus$$

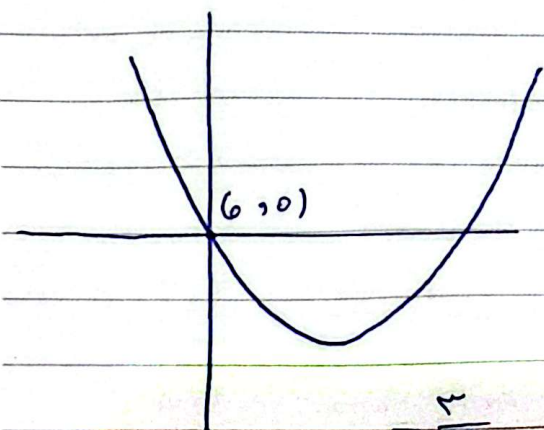
$$a < 0 \rightarrow \frac{a}{r} + \frac{\sqrt{a^2 - \epsilon \lambda}}{r} = \frac{a}{r} - \frac{\sqrt{a^2 - \epsilon \lambda}}{r} \rightarrow$$

$$\cancel{\frac{a}{r}} + \frac{\sqrt{a^2 - \epsilon \lambda}}{r} = \frac{a}{r} - \frac{\sqrt{a^2 - \epsilon \lambda}}{r} \rightarrow a^2 = \epsilon a^2 - 9r$$

$$\mu a^2 = 9r \quad a \rightarrow \epsilon \sqrt{r} \rightarrow \oplus$$

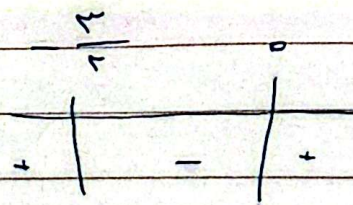
$$\epsilon \sqrt{r} - \epsilon \sqrt{r} = 0$$

-7



$$\begin{aligned} s &\rightarrow \frac{\mu + r a}{a} < 0 \\ p &= 0 \\ a &> 0 \end{aligned}$$

مربع مقدار a



-8

$$-\frac{r}{r} = -1 \quad -\frac{a}{r} = -1 \quad a = r$$

$$c/a \rightarrow \text{if } a = -1, 1 - r - r = -1 + r + b$$

$$-e = b \quad ab = \sqrt{\quad}$$

-9

$$s_1 - 1 = s^r$$

$$\frac{a}{\varepsilon} - 1 = -\frac{\alpha}{\varepsilon \alpha}$$

$$P = -1$$

$$\frac{a}{\varepsilon} = \frac{r}{\varepsilon} \rightarrow a = r \quad 4n^r + 2n - 4$$

$$P = \frac{b}{1} \quad (n_1 + \frac{1}{r})(n_2 + \frac{1}{r}) = \underbrace{n_1 n_2} + \frac{1}{\varepsilon} + \frac{n_1}{r} + \frac{n_2}{r}$$

$$-1 + \frac{1}{\varepsilon} = \frac{1}{\lambda} = \frac{r}{\lambda}$$

$$\left[\frac{ab}{\varepsilon} \right] = \left[\frac{r}{\varepsilon} \times \frac{r}{\lambda} \times \frac{1}{\varepsilon} \right] =$$

$$\left[\frac{r^2}{1 \times \lambda} \right] = 0$$

-10

$$n^r + 2n - 2m = a + 4n + m$$

$$\varepsilon n = -\varepsilon m \quad n = -m$$

$$n^r - 2m - 2m = 0 \quad m(m-a) = 0 \quad \begin{cases} m=a \\ m=0 \end{cases}$$

$$\text{if } m=0 \rightarrow \begin{array}{l} n^r + 2n \rightarrow n(n+2) \quad \text{شماره زوج} \\ n^r + 4n \rightarrow n(n+4) \quad \times 0 \end{array}$$

$$\begin{array}{l} (\text{if } m=a) \quad n^r + 2n - 1 \rightarrow (n-1)(n+2) = 0 \\ (\text{if } m=a) \quad n^r + 4n + 1 \rightarrow (n+1)(n+2) = 0 \end{array}$$

$$r - (-1) = \varepsilon$$