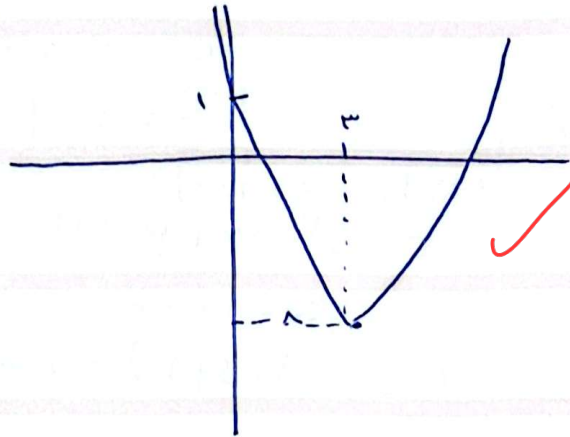


(ظواهر معنی) (دهم B)

الف) (دار max)  $(-1, 1)$  ✓

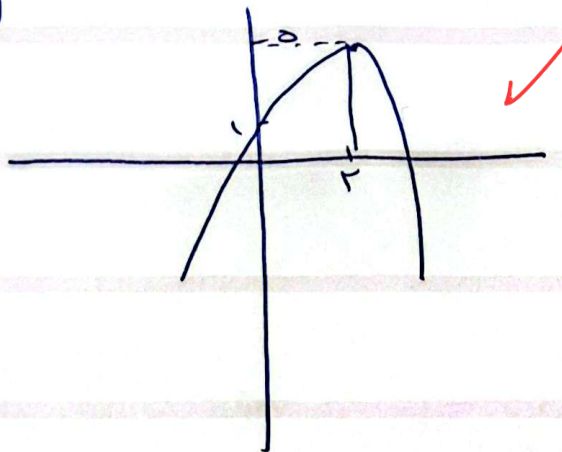
ب) (دار min)  $(\frac{3}{8}, -\frac{31}{8})$  ✓

الف) 2



2

ب)



-3

$$S \rightarrow \alpha + \beta = 1 \rightarrow n^2 - n - 2 \quad \begin{matrix} \alpha = -1 & \beta = 2 \\ \alpha = 2 & \beta = -1 \end{matrix}$$

$$\alpha \beta = -2$$

$$\frac{1}{\alpha} \rightarrow \alpha = -1 \quad \varepsilon n^3 + k n^2 - 9n - 2 = 0 \quad (2)$$

$$\beta = -1$$

$$-4 + k + 9 - 2 = 0 \quad \checkmark k = -3$$

.4

$$\alpha, \beta \rightarrow \text{رشم} \quad \sqrt{\alpha} - \sqrt{\beta} = 1 \quad \text{ب-توان}$$

$$\alpha + \beta - 2\sqrt{\alpha\beta} = 1 \quad \frac{3m}{2} - 2\sqrt{m} = 1$$

$$\frac{3m}{2} - 2\sqrt{m} = 1$$

$$\sqrt{m} = 1 \quad \checkmark -\frac{1}{2} \times$$

$$n = 1$$

$$\rightarrow 2n^2 + n - 1 = 0 \quad P = \frac{c}{a} = -\frac{1}{2} \quad \checkmark$$

$(\mu n - m)(n - 1)$  نقطه تلاطم با محور  $m-5$   
وفا

$\frac{m}{r} = \text{شبه}$   $1 = \text{شبه}$   $\rightarrow$  افشان  $|\frac{m}{r} - 1|$

$s = \frac{1}{r} \sqrt{\frac{m-r}{r} m} = \frac{3}{8}$   $m-2 | m=3$   $m^2 - 2m = 3$

$y = n^2 - 2m + 1$   $n \rightarrow \frac{3}{r}$   $(m=3)$   $(m=-1)$   $\rightarrow$  (۲)

$y = n^2 + n + 1 \rightarrow n = \frac{-b}{2a} = -\frac{1}{2}$

$a > 0$   $-\frac{\Delta}{4a} \rightarrow \frac{\epsilon a^2 - 9}{4a} = \frac{V}{\lambda} - b$

$\lambda a^2 - \nu a - 11$   $\rightarrow$   $-9$   $(+16)$   $\rightarrow$  یک تقار  $\rightarrow$  (۲)

$n^2 - (a+1)n + a = 0$   $a+b+c=0 \rightarrow n_1=3$   $n_2=1$   $\rightarrow$   $n_3 = \frac{c}{a} = a \rightarrow a=3$

$n^2 - (3a+1)n + b = 0$

$n^2 - 10n + b = 0$   $s=10$   $n_1=8$   $n_2=2$   $\rightarrow$  زوج شگلی

$p_2 - p_1 = (4 \times 8) - (3 \times 1) = (21)$   $\rightarrow$  (۲)

$$y_1 = -an^r + an + r \rightarrow \frac{-a}{-ra} = \frac{1}{r} \quad \text{B}$$

$$U_1 = rbn^r - bn - 1 \rightarrow \frac{-a}{\epsilon} + \frac{a}{r} + r = \frac{a+r}{\epsilon}$$

(1, Va)

$$\frac{b}{\epsilon b} = \frac{1}{\epsilon}$$

$$\frac{b}{1} - \frac{b}{\epsilon} - 1 = \frac{-b-1}{1}$$

$$\frac{b}{r} - \frac{b}{r} \neq 1 = \frac{a+r}{\epsilon} \rightarrow a = -1r$$

$$\frac{r}{\epsilon} - r + r = -\frac{1}{\epsilon}$$

$$\frac{-b-1}{1} = -\frac{1}{\epsilon} \quad b+r=2$$

$$b = -2$$

$$b-a = -2 - (-1r) = 4$$

$$\text{if } \beta > \alpha, \quad y = r\delta an^r + \epsilon n + \beta \rightarrow \alpha + \beta = -\frac{\epsilon}{ra} \quad \text{B}$$

$$\alpha\beta = r\delta a^r = 1$$

(1, Va)

$$\times \text{ if } \alpha = \frac{1}{\delta} \rightarrow \beta = -1 \quad \text{طبق شرط} \quad y_s = \frac{-b}{ra} = \frac{r}{\delta}$$

$$\checkmark \text{ if } \alpha = -\frac{1}{a} \rightarrow \beta = 1 \quad \beta > \alpha$$

$$y = -\delta \times \frac{\epsilon}{r\delta} + \frac{1}{\delta} + 1 = \frac{9}{\delta}$$

↓ تصدیق

$$y = n^2 - (a^2 + b^2 - 12)n + a + b - 1 = 0 \quad \Delta 0$$

$$\left\{ \begin{array}{l} s = a^2 + b^2 - 12 \\ s = a + b \end{array} \right.$$

$$s = a + b$$

$$P \rightarrow s - 1$$

$$s = s^2 - 2P - 12$$

$$ab = a + b - 1$$

$$s = s^2 - 2s + 2 - 12$$

$$s^2 - 3s - 10 = 0$$

$$(s - 5)(s + 2) = 0 \quad \begin{array}{l} s = 5 \\ s = -2 \end{array}$$