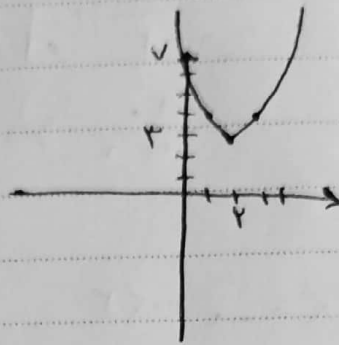


8

الف) $y = n^2 - 4n + 7$



①

9

$\Delta = 16 - 28 < 0$ $x \in \mathbb{R}$

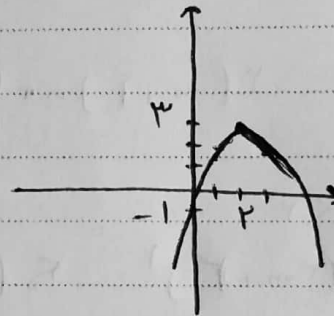
10

ext $\left| \begin{array}{l} -\frac{b}{2a} = 2 \\ -\frac{\Delta}{4a} = 3 \end{array} \right.$

n	1	2	3
y	4	3	4

11

ب) $y = -n^2 + 4n - 1$



12

max $\left| \begin{array}{l} 4 \\ 3 \end{array} \right.$

n	1	2	3
y	2	3	2

13

$2n^2 + (m+1)n + \frac{1}{2}m + 2 \geq 0$

②

14

$\Delta \geq 0$ $(m+1)^2 - 4(\frac{1}{2}m + 2) = m^2 - 2m - 1 \geq 0$ $m \in \mathbb{R}$

الف) $m \in \mathbb{R}$ $m \in \mathbb{R}$ $m \in \mathbb{R}$

ب) $m \in \mathbb{R}$ $m \in \mathbb{R}$ $m \in \mathbb{R}$

ج) $m \in \mathbb{R}$ $m \in \mathbb{R}$ $m \in \mathbb{R}$

د) $m \in \mathbb{R}$ $m \in \mathbb{R}$ $m \in \mathbb{R}$

15

$m^2 - 2m - 1 \geq 0 \rightarrow m \in \mathbb{R}$ $m \in \mathbb{R}$ $m \in \mathbb{R}$

$m^2 - 2m - 1 < 0 \rightarrow m \in \mathbb{R}$ $m \in \mathbb{R}$ $m \in \mathbb{R}$

$m^2 - 2m - 1 \geq 0 \rightarrow m \in \mathbb{R}$ $m \in \mathbb{R}$ $m \in \mathbb{R}$

نور بزرگداشت حافظ

Fri	Thu	Wed	Tue	Mon	Sun	Sat
04	03	02	01			
11	10	09	08	07	06	05
18	17	16	15	14	13	12
25	24	23	22	21	20	19
		30	29	28	27	26

$$(m-2)n^2 - 2(m+1)n + 10$$

$$\Delta > 0$$

$$\Delta < 0$$

$$\Delta > 0$$

$$\frac{2m+2}{m-2} < 0 \rightarrow (-1, 2)$$

$$\frac{10}{m-2} > 0 \rightarrow m > 2$$

$$10(m-2) < 0 \rightarrow m < 2$$

$$\frac{2m+2}{m-2} < 0 \rightarrow (-1, 2)$$

$$(m-2)n^2 - 2(m+1)n + 10$$

$$\Delta < 0 \rightarrow m < 2$$

$$\Delta > 0 \rightarrow (2m+2)^2 - 40(m-2) > 0 \rightarrow m^2 - 12m + 24 > 0 \rightarrow (-2, 6)$$

$$-\frac{b}{2a} = -\frac{2(m+1)}{2(m-2)} = -\frac{m+1}{m-2} \rightarrow -\frac{m+1}{m-2} \geq 2m+1 \rightarrow m \geq 1$$

$$\frac{2n^2}{r} - 2(\sin \alpha)n + \frac{r}{r} \geq 0$$

$$\sin^2 \alpha > 1 \rightarrow \sin \alpha \geq 1 \rightarrow \sin \alpha = 1$$

$$\Delta \geq 0 \rightarrow 4 \sin^2 \alpha - 4 \geq 0$$

$$\frac{2n^2}{r} - 2n + \frac{r}{r} \geq 0 \rightarrow (n-r)^2 \geq 0 \rightarrow n \geq \frac{r}{2}$$

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$$y = \frac{(r_n^r - r_{n-1}) (r_n^r - r_{n-1} - d)}{(1 - n^r)}$$

(۴)

$$\frac{r_n^r - r_{n-1}}{r_n^r - r_n} \cdot \frac{n-1}{r_{n+1}}$$

$$\frac{r_n^r - r_{n-1} - d}{r_n^r + r_n} \cdot \frac{n+1}{r_{n+1} - d}$$

$$y = \frac{(r-1)(r_{n+1})(n+1)(r_{n+1}-d)}{(n-1)(n+1)}$$

$$(r_{n+1})(r_{n+1}-d) = y$$

$$y = \frac{r_n^r - r_{n-1} - d}{r_n^r + r_n}$$

$$y_s = \frac{199 - (-r_0)}{r_{10}} = \frac{r_{10}}{r_{10}}$$

$$m n^r - (m+4)n - r_{20}$$

$$r S_2 = d p + v$$

$$\frac{r_{m+4}}{m} = \frac{-10 + v_m}{m}$$

$$\frac{r_{m+4} - 10 + v_m}{m}$$

$$r_{m+4} - 10 = 0$$

$$m = r$$

(۵)

$$r^r + \beta^r = S^r - r_p \rightarrow \frac{r}{r} + 1 = \frac{1}{r} \left(\frac{r}{r} \right) \leftarrow r_n^r - r_{n-1} - r_{20}$$

$$\frac{r^r + \beta^r}{\omega \beta^r}$$

$$n^r - \omega n + r_{20}$$

(۶)

$$\rightarrow \frac{r^r}{\omega \beta^r} + \frac{\beta^r}{\omega} \rightarrow \frac{r^r}{(1) \frac{r_0}{q^r}} + \frac{\beta^r}{\omega} \rightarrow \frac{r^r}{\omega} + \frac{\beta^r}{\omega}$$

$$S_2 = d p_2^r$$

$$r \beta = r \rightarrow \beta = \frac{r}{q}$$

$$\omega \beta^r = \frac{r_0}{q^r} (1)$$

$$\left(\frac{1}{\omega} \right) (1^r \omega r_0) \leftarrow \frac{1}{\omega} (S^r - r_p s)$$

$$= 19$$

لغة جهان استاندارد

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(۹)

$$y_1 = 2n + 1, \quad y_2 = 9n + 5, \quad b_n + C$$

$$n = 2$$

$$y_1 = 2$$

$$y_1 = 15$$

$$n = 2$$

$$\begin{cases} 4a + 2b = 10 \\ 4a - 2b = 0 \end{cases}$$

$$4a + 4a = 10 \rightarrow a = 1, \quad b = 2$$

$$n^2 + 2n + 2 = y_1$$

$$n = 2 - \frac{2}{2}$$

$$n^2 + (m+1)n + m + 4 = n \rightarrow n^2 + mn + m + 4$$

$$\Delta = m^2 - 4(1)(m+4)$$

$$m^2 - 4m - 16 = 0$$

$$(m-8)(m+2) = 0$$

$$m = 8, \quad -2$$

10

(۱۰)

11

12