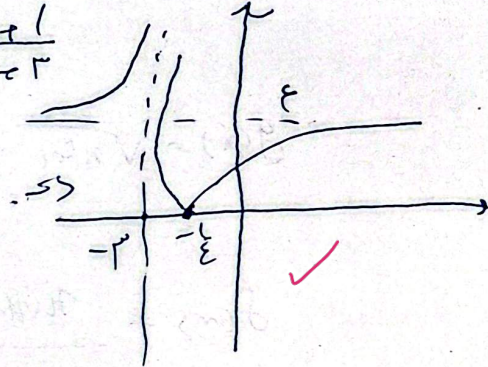
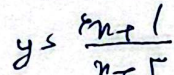


n)

(1, V5)

رفت!

(1, 2)



باب ۴۴ فی ضابطه مختلف در اقسام مختلفه ختم و دست آوریم

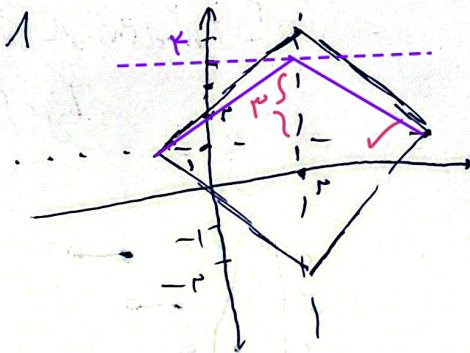
(f)

① $x - r_1 y - 1 \leq r \rightarrow y \leq -x + r_1$

(r) $-n \leq y \leq n \Rightarrow y \leq n$

⑦ $-n_2 r_2 y - (s^* s) \quad y \in n_2 r$

⑥ $n - 1 - y + 1 \leq n \Rightarrow y \leq n - 1$



$$3) \delta(m) = \left(\frac{n-e}{m} + 1 \right)^m - 1$$

(2)

$$\rightarrow \min = (e-e)^m - 1 = 0 \text{ و } 1 \leq m \leq \infty$$

$$R = [0, \infty)$$

$$-1 - \sin^m n \leq \sin^m n \rightarrow \begin{cases} -1 + e^{m\pi} \\ -1 - e^{m\pi} \end{cases} \Rightarrow R = [-1, 1]$$

4)

$$e^{m\pi} \rightarrow \pi$$

$$\frac{1-a}{e} \leq \omega$$

$$e^{m\pi} - \frac{1}{e} \leq -\ln \frac{1}{e}$$

(2)

5)

$$a \leq \delta(m) = \sqrt{m} e^{\pi} \rightarrow \sigma = \sqrt{m} e^{\pi}$$

$$\delta(r) = \sqrt{r} e^{\pi} \leq 1 \quad r e^{\pi} \leq 1$$

$$r e^{\pi} \leq 1 \quad (1, \sqrt{e})$$

$$g(m) = \sqrt{m} e^{\pi} \rightarrow [1, \infty) \text{ و } R_g$$

$$\begin{cases} b \leq 1 \\ c \leq 1 \end{cases}$$

صفحة اخرى...

$$6) \delta(m) = \frac{n(n-1)(n-2)}{n-1} = n^2 - 2n \quad n \geq 1$$

(2)

$$n^2 - 2n \geq 1 \rightarrow \begin{cases} n \geq 2 \\ n \leq -1 \end{cases}$$

$$R = \{a, b\}$$

$$\frac{1}{e} \leq 1 \quad | -1 \leq 1 |$$

$$\delta(-1) = 1$$

7)

$$\delta \rightarrow y = \sqrt{(n-1)^2} = \sqrt{n^2 - 2n + 1} = \sqrt{n^2 - 2n + 1}$$

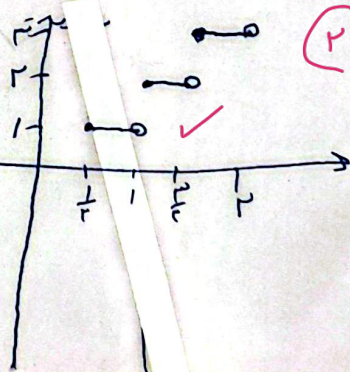
$$y \leq n-1 \rightarrow \begin{cases} n \leq -1 \\ n \geq 1 \end{cases} \rightarrow y \leq -1$$

$$R_y = [-1, 1]$$

$$R_y = [-1, 1]$$

8)

$$y = \begin{cases} 1 & 1 \leq m \leq 1 \\ 1 & 1 \leq m \leq \frac{m}{2} \\ 1 & \frac{m}{2} \leq m \leq 1 \end{cases}$$



(2)

۷- با توجه به دامنه، زیر رادیکال یک خط با شیب مثبت بوده یعنی $a=0$ است و نقطه $(2,0)$ هم در معادله خط صدق می‌کند...

$$\begin{cases} (2,0) \rightarrow 2b+c=0 \\ (3,1) \rightarrow 3b+c=1 \end{cases} \rightarrow b=1, c=-2$$

$$g(x) = \sqrt{x^2+4} \rightarrow \text{ext} \Big|_4^0 \Rightarrow R_g = \sqrt{[4, +\infty)} = [2, +\infty)$$