

19/10

نام و نام خانوادگی تاریخ مصوبه پاسشنامه تشریحی تکلیف شماره کلاس پایه اول

تابع ثابت x و x معنی $x^2 + px + 1 + 9x^2 - 4x + 1 + mx^2 + n$ معنی $x^2 + px + 1 + 9x^2 - 4x + 1 + mx^2 + n$
 $m = -10$ ✓ $n = 4$ ✓ $n + m + p + R = -1$ ✓

$x = x_0 \rightarrow y, y_0$ معنی

$(x, m) (n, p+1) \xrightarrow{n=4} -10 = p+1 \rightarrow p = -11$ ✓ $-11 \in R = -1$ ✓
 $R = -10$

1

2

$f - p[-x] \neq 0$

$[-x] \neq p$ ✓ $p \leq -x < 1$ ✓

$-p < x \leq -p$ ✓
 $D = R - (-p, -p]$ ✓

الف) $x^2 - px - 1 = 0$

$x^2 = -2$ معنی $x^2 = -2$ ✓

معانی -2 p ✓
 $- \frac{1}{2} + \frac{1}{2} = 0$ ✓

$D = (-2, +\infty) - \{p\}$ ✓

2

2

$|n - p| \geq x^2 \rightarrow x \geq p$ ✓

$x = x_0 \rightarrow y, y_0$ معنی

$x \geq p \rightarrow x^2 + x - p \leq 0$ ✓

$x \neq \pm 1$ ✓

$D = [-1, 1) - \{1\}$ ✓

الف) $\sqrt{x(x^2 - 1)} \geq 0$

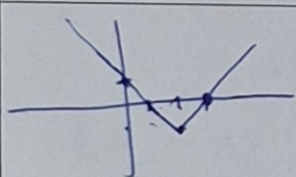
$D = [-1, 0] \cup [1, +\infty) - \frac{1}{2} + \frac{1}{2} - \frac{1}{2} +$ ✓

$|x + x| \geq 0 \rightarrow |x| \geq 0$ ✓

$D \cap D = [1, +\infty) \cap (0, +\infty) = R^+$ ✓

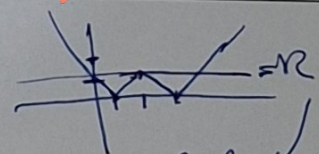
3

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$|x - p| = 1$

$|x - p| = 1$

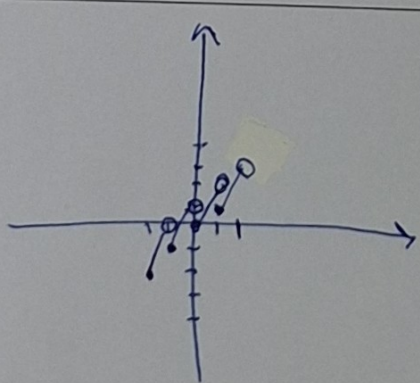


رابطه در این نقطه به بی خود دارد از معادله $x^2 + x - p = 0$ به دست می آید $R = 1$ ✓

4

2

$y \leq \begin{cases} x + p \\ x + 1 \\ 0 \\ x - 1 \\ x - p \end{cases}$ ✓
 $\begin{cases} -p < x < -1 \\ -1 < x < 0 \\ 0 < x < 1 \\ 1 < x < p \\ x \leq p \end{cases}$ ✓



5

2

$$(x+y)^2 = x^2 + 2xy + y^2 = x^2 + 2x + 2y + 1 = (x+1)^2 + (y+1)^2 - 1$$

$$a-b = -1 \rightarrow b = a+1$$

$$ab = a^2 \rightarrow a = 0 \rightarrow b = 0$$

$$a-b \rightarrow 0 \quad \{0, -1\}$$

مجموع ترتیبی

$$D_f = D_g$$

$$\frac{(x+1)(x-1)(x+1)}{(x-1)(x-1)} = x+1 \leq x+1 \rightarrow x \in \mathbb{N}$$

$$x=1 \rightarrow x+1 = 2 \leq a+1 \rightarrow a \geq 1$$

$$x \leq 1 \rightarrow x+1 = 2 \leq \frac{a+1}{-1+b} \rightarrow a \leq -b$$

$$D_f \rightarrow \mathbb{N} \cup \mathbb{Z}$$

$$D_g = \mathbb{N} \cup \mathbb{Z}$$

$$D_f \cap D_g = \mathbb{N} \cup \mathbb{Z} \subseteq \mathbb{N} \cup \mathbb{Z}$$

$$\text{if } x \leq 1 \rightarrow x+1 = 2$$

$$x \leq 1 \rightarrow x+1 = 2$$

$$b \leq 1 \rightarrow b+1 = 2$$

$$x = \frac{b}{2} - 1 \leq 1 \rightarrow b \leq 4$$

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$$D_f \rightarrow \mathbb{N} \cup \mathbb{Z}$$

$$D_g \rightarrow \mathbb{N} \cup \mathbb{Z}$$

$$D_f \cap D_g = \mathbb{N} \cup \mathbb{Z}$$

$$g(x) = x$$

$$f(x) = x+1$$

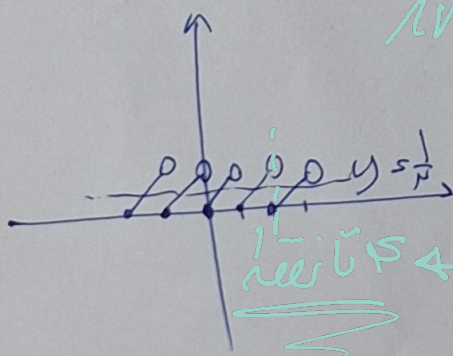
$$f(x) = x+1$$

$$x+1 = x+1$$

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