

نام دنا خانوالی از هرات حسن پارسه ۲۱ کلاس اول از هم رفته A

$$\left\{ \begin{array}{l} y \geq 0 \rightarrow y-1 \geq -1 \rightarrow [-1, +\infty) \\ -y^2 \rightarrow -y^2 \leq -1 \rightarrow (-\infty, -1) \end{array} \right.$$

$$\frac{u L(u^{-r})}{L(u)} \rightsquigarrow + \frac{-r}{1} - \frac{-r}{1} + \frac{0}{1} + \frac{1}{1} - \frac{0}{1} + \frac{1}{1}$$

$$D = (-\infty, -1) \cup [-2, 3) \cup [4, \infty)$$

الف) $\frac{x^2 - 10x + 1}{x^2 - 6x} \rightarrow x^2 - 6x \neq 0 \rightarrow x(x^2 - 6) \rightarrow D = \mathbb{R} - \{0, \pm \sqrt{6}\}$

b) $\frac{r_{n+1} - r_n}{r_n - r_{n-1}} \rightarrow 1 = 1.4 < 0$
 $\rightarrow D = (-1, 0) \cup (1, +\infty)$

ا) $\frac{x-2}{x^2-x-1}$ $\rightarrow$ (x^2-x-1)
 $\rightarrow$ $(x^2-x-1)(x+2)$
 $x = -\frac{1}{2}$

ب) $\frac{-2}{-\frac{1}{3} + \frac{1}{8}}$
 $D = (-2, +\infty) - \left\{\frac{1}{2}\right\}$

ب) $f(-x) \neq 0 \rightarrow f \neq f(-x) \rightarrow f(x) \rightarrow -f(x) \rightarrow -f(x)$

$$O = \mathbb{R} - [-1, 1]$$

الف) $x(x^2-1) \rightarrow \frac{-1+1}{-1-1+1}$ $\Rightarrow D = [1, +\infty)$
 $|x|+x > 0 \rightarrow \mathbb{R}^+$

$|x| + x > 0 \rightarrow R^+$
 $|x - 1| - x^2 > 0 \rightarrow |x - 1| > x^2 \xrightarrow{x > 0} |x - 1| > 0 \rightarrow$
 $|x| + 1 \neq 0 \rightarrow x \neq \pm i \xrightarrow{?} D = \mathbb{R} - \{\pm i\}$

$$1) (n-2)[n-2] \geq 0$$

①

$$[n-2] = 0$$

$$n-2 < 1$$

$$2 \leq n < 3$$

$$\frac{2}{+} \frac{3}{+}$$

$$D = \mathbb{R}$$

$$2) |n-1| [n+1] \geq 0 \Rightarrow D = [2, +\infty) \cup \{1\}$$

+0/1/2

$$[n+1] \geq 0 \Rightarrow n+1 \geq 0 \Rightarrow n \geq -1$$

$$n-1 \geq 0 \Rightarrow n \geq 1$$

$$||n-1|-1|-k \neq 0$$

$$||n-1|-1|=k \Rightarrow |n-1|=1+k \Rightarrow \begin{cases} n-1 = 1+k \\ n-1 = -(1+k) \end{cases} \Rightarrow \begin{cases} n = 2+k \\ n = -k \end{cases}$$

$$1) -k+2$$

$$2) k+1$$

$$3) k+2$$

$$\Rightarrow \begin{cases} -k+2 \neq k+1 \\ 2 \neq 2k \\ 1 \neq k \end{cases} \Rightarrow \begin{cases} -k+2 \neq k+2 \\ k \neq 0 \end{cases} \Rightarrow k \in \mathbb{Z} - \{0, 1\}$$

$$n^2 + 3n + 2$$

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$$n \neq -1, -2$$

$$(n+1)(n+2) \neq 0$$

$$\frac{n+1}{n-1}$$

$$\Rightarrow n \neq \pm 1$$

$$n \neq \left\{ \frac{1}{2}, \frac{3}{2} \right\}$$

$$n = 3$$

$$n^2 - 4n + 4 = 0 \Rightarrow (n-2)^2 = 0$$

$$n = 2 \rightarrow \text{ob } \frac{1}{2}, \frac{3}{2}$$

$$y = \int_{n+1}^{\frac{1}{n}} \frac{1}{x} \rightarrow \begin{cases} n > 0 \\ n \neq 1 \\ n+1 > 0 \rightarrow n > -1 \\ n+1 \neq 1 \rightarrow n \neq 0 \end{cases} \Rightarrow D = (0, +\infty) - \{1\}$$

$$-2 \leq n \leq 3 \rightarrow 2 \leq n^2 \leq 9 \rightarrow 2 \leq n^2 \leq 9$$

$$1 \leq n^2 - 1 \leq 8$$

$$D = [1, 8]$$