

19.7.5

نام و نام خانوادگی کلاس پاسخنامه تشریحی تکلیف شماره ۷

$$\begin{aligned} & \frac{x^2 - 2x + 1}{-5x^2 + 4x} = \frac{x-1}{x^2 - 14x + 14} \\ & \frac{-14x^2 + 4x - 14}{14x^2 - 14x} \\ & \frac{1}{2} \frac{x-1}{x-1} = \frac{1}{2} \end{aligned}$$

$D = \{R - \{1, \frac{1}{2}, \frac{1}{2}\}\}$ (۲)

$(x-1)(x-2)(x-0)$

$D = \{R - \{1, 2, 0\}\}$

$R = \{1, \frac{1}{2}, \frac{1}{2}\}$

$x - \sqrt{x^2 - 1} \neq 0$
 $x^2 \neq x^2 - 1$
 $x^2 - x^2 + 1 \neq 0$
 $1 \neq 0$

$D = \left\{ \frac{1}{2}, 2 \right\}$

$x - \sqrt{x^2 - 1} \neq 0$
 $x^2 - 1 \neq x^2 - 1$
 $0 \neq 0$

$D = \left\{ -\infty, \frac{1}{2} \right\} \cup \left\{ 1, 2 \right\}$

$x = 3, y = -\frac{1}{4}$

$D = R - \left\{ k\pi + \frac{\pi}{4} \right\}$

$\frac{\sin}{\cos} \neq 0$
 $\cos \neq 0$
 $\sin \neq 0$
 $\cot x - 1 \neq 0$
 $\cot \neq 1$

$D = R - \left\{ \frac{k\pi}{2}, \frac{k\pi}{2} + \frac{\pi}{4} \right\}$

$R - \left\{ k\pi + \frac{\pi}{4} \right\}$

$(x-1)(x-4)$

$(x+1)(x+3) = -4$

$\frac{1}{x-1} - \frac{1}{x-4} = \frac{1}{x+1} - \frac{1}{x+3}$

$D = [1, 4]$

$D = R - \{(-4, -1)\}$

$D = (1, 4)$

$D = R - [1, 4]$

$(x+1)(x-1)$

$(x-1)(x-0)$

$\frac{1}{x+1} - \frac{1}{x-1} = \frac{1}{x-0}$

$D = (-\infty, 1) \cup (1, \infty)$

$(n+1)(n-1)$
 $R = \{\pm 1\}$

$(n-1)(n-3)$
 $(n-1) \dots$
 $+1^2 + 3^2$
 $D = [2, +\infty)$

$D = (-\infty, 1] \cup [2, +\infty)$
 $(1, 1.0) - \{1\}$
 $(1, 2) \cup (2, +\infty)$
 $D = R - [0, 1]$

$(-\infty, -1) \cup (1, +\infty)$ II
 $n \neq \pm 1$

$n^2 - n = 0$
 $n(n-1) = 0$
 $n = 0$
 $n = 1$

$n^2 + n = 0$
 $n(n+1) = 0$
 $n = 0$
 $n = -1$

$\omega_{min} = \mu_0 - 1$
 $\mu_0 - 1$
 $(-1, -1) \cup (1, 1)$

