

نام و نام خانوادگی نیسا پاسخنامه تشریحی تکلیف شماره ۱۵۸ .. کلاس دوازدهم ..

$f(n) \Rightarrow f(r) + f(r) = \frac{r}{r} + f(r) \Rightarrow f(r) = \frac{r}{r} \Rightarrow f(r+1) + f(r+1) = r+1$

$(r+1)a + b = r+1 \Rightarrow ra + a + b = r+1 \Rightarrow a + b = 1$

$a=1 \Rightarrow b=0 \Rightarrow f(n) = n$

$y = \sqrt{f(n) - n^2} = \sqrt{n - n^2}$

$f(n) = \frac{n(n^2-1)}{n+1} = n(n-1) = n^2 - n$

$n^2 - 2n = 1 \Rightarrow n = 2 \Rightarrow a$

$2n = -2 \cdot b \Rightarrow b = -1$

$f\left(\frac{1-2}{-2}\right) = f\left(-\frac{1}{2}\right) = \frac{1}{2}$

$R_y = [-1, +\infty) - \{1\}$

$f\left(\frac{1-2}{-2}\right) = f(-1) = 2$

$(n-1)^2 = n^2 + 4n - 1 \Rightarrow a = 4, b = -1$

$y = \sqrt{(n-1)^2} = n-1 \Rightarrow D_f = [-1, 1] \Rightarrow R_f = [-1, 1]$

$D_f = [-1, 1] \rightarrow R_f = [-1, 1]$

$1 - n \neq n \neq 1 \Rightarrow D_f = R - \{1\}$

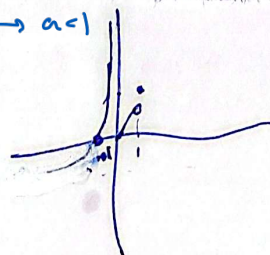
برای حذف کسر از هر دو طرف

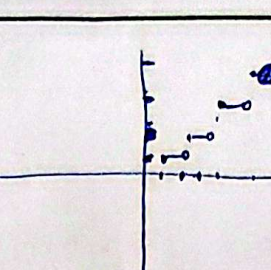
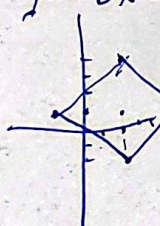
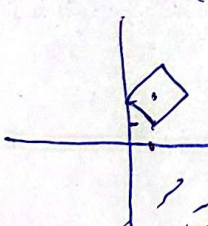
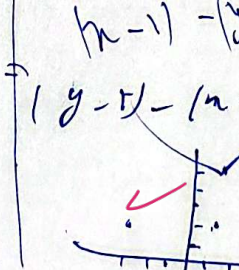
$\frac{n+b}{1-n} > 0 \Rightarrow \frac{n-1}{1-n} > 0 \Rightarrow \frac{1}{1-n} > 0 \Rightarrow \frac{1}{1-n} > 0 \Rightarrow \frac{1}{1-n} > 0$

$1 - n + b = 1 - 1 = 0 \Rightarrow b = 0$

$\frac{1}{1-n} > 0 \Rightarrow \frac{1}{1-n} > 0 \Rightarrow \frac{1}{1-n} > 0$

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$\left. \begin{array}{l} 0 + 1 = 1 \\ 1 + 1 = 2 \\ 1 + 2 = 3 \\ \vdots \end{array} \right\} \begin{array}{l} \frac{1}{2} \leq n < 1 \\ 1 \leq n \leq \frac{3}{2} \\ \frac{3}{2} \leq n < 2 \\ \vdots \end{array}$ $x \neq 2 = 2 \quad x = 2$	نقطه‌های صحیح و صحیح کسری 	۶
$\left \frac{n+1}{n+2} \right < 1 \Rightarrow -1 < \frac{n+1}{n+2} < 1$ $a - b = a + \frac{1}{n} = \boxed{\frac{a}{n}}$	$\begin{aligned} n+1 &< n+2 \\ 0 &< (a-1)n + 2 \Rightarrow a \geq b \\ ab - b + 2 & \\ ab + 0 + 2 & \end{aligned}$	۷
	کجا، فرض کنیم اول مثبت است و دوم منفی هر دو منفی هر دو مثبت $\begin{aligned} x - 2 - y + 1 &= 3 \quad (1) \\ -x + 2 - y + 1 &= 3 \quad (2) \\ -x + 2 + y - 1 &= 3 \quad (3) \\ x - 2 + y - 1 &= 3 \quad (4) \end{aligned}$ موضوع به الگوریتم این نام نامی است	۸
$(x-1) + (y-1) = 1$ 	$\begin{aligned} (x-1) - (y-1) &= -3 \\ y-1 - x-1 &= 3 \end{aligned}$ 	۹
$\begin{aligned} x > -\frac{b}{a} &\Rightarrow (x+a)x + b \\ x < -\frac{b}{a} &\Rightarrow (x-a)x + b \end{aligned}$ میخواهیم ثابت کنیم $(x+a)(x-a) > 0$ $a^2 < 9 \Rightarrow -3 < a < 3$	$\begin{aligned} x+a &> x-a \\ y > -a &\Rightarrow x \end{aligned}$ $D_f: (x, +\infty)$	۱۰