

نام و نام خانوادگی پاسنامه تشریحی تکلیف شماره کلاس *پاسنامه تشریحی تکلیف شماره کلاس نام و نام خانوادگی*

1	$f(a) = \sqrt{a+1} \sqrt{a-1} \Rightarrow \sqrt{(a+1)(a-1)} \Rightarrow \sqrt{a^2-1} \Rightarrow \sqrt{a^2-1} \Rightarrow \sqrt{a^2-1}$ $g(a) = \sqrt{a^2-1} \Rightarrow \sqrt{a^2-1} \Rightarrow \sqrt{a^2-1} \Rightarrow \sqrt{a^2-1}$ $\sqrt{a^2-1} + \sqrt{a^2-1} \Rightarrow 2\sqrt{a^2-1} \Rightarrow \frac{a+b}{c} = \frac{a^2-1}{-1} = \frac{1}{-1}$
2	$f(a) = \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c}$ $g(a) = \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c}$ $f(a) = \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c}$
3	$f(a) = \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c}$ $g(a) = \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c}$ $f(a) = \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c} \Rightarrow \frac{a+b}{c}$
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$$f(x) = \sqrt{x^2 - 6x + 4} \rightarrow -(x-1)(x-5) \geq 0 \rightarrow \begin{array}{c} 1 \quad 5 \\ | \quad | \\ \hline x \end{array}$$

$$(x-1)(x-5) \leq 0$$

$$h(x) = \frac{f(x)}{g(x)} = f\left(1, 0\right) \left(1, \frac{5}{4}\right) \left(5, 0\right) \left(5, 1\right)$$

$$y_2 = x^2 - 2x + 2 \rightarrow \text{بدرستی قبول} \rightarrow \mathbb{R} = \mathbb{R}$$

$$y = \frac{1}{x^2 - 2x} \Rightarrow y(x-1) = 0$$

$$R_{y_2} = (-1, 0)$$

$$b^2 - 4ac \geq 0 \rightarrow (y^2 - 2y)(-1) \rightarrow (y^2 + y) \geq 0 \rightarrow \begin{array}{c} -1 \quad 0 \\ | \quad | \\ \hline y \end{array}$$

$$y_2 = x^2 - 2x + 1 \rightarrow a \geq 0 \rightarrow y_2 = \frac{-1}{x^2} = \frac{-(1^2 - 4)}{x^2} \Rightarrow y_2 = \frac{3}{x^2} \rightarrow \begin{array}{c} 0 \quad \frac{3}{x^2} \\ | \quad | \\ \hline y \end{array}$$

$$y_2 = x^2 - 2x + 2 \rightarrow a < 0 \rightarrow y_2 = \frac{-1}{x^2} \rightarrow \frac{-(1^2 - 4)}{x^2} = \frac{3}{x^2} \rightarrow (-\infty, 1)$$

$$y_2 = \sqrt{x^2 - 2x} \rightarrow y_2 = \frac{-1}{x^2} = \frac{-(1^2 - 4)}{x^2} = \frac{3}{x^2} \rightarrow [0, +\infty)$$

$$y_2 = \sqrt{x^2 - 2x} \rightarrow y_2 = \frac{-1}{x^2} \Rightarrow \frac{-(1^2 - 4)}{x^2} = \frac{3}{x^2} \rightarrow [0, +\infty)$$

$$y_2 = x^2 - 2x + 1 \rightarrow \text{بدرستی قبول} \rightarrow \mathbb{R} = \mathbb{R}$$

$$y_2 = x^2 - 2x + 2 \rightarrow a < 0 \rightarrow \mathbb{R} = \mathbb{R}$$

$$y_2 = \sqrt{x^2 - 2x + 1} \rightarrow \mathbb{R} \rightarrow [0, +\infty)$$

$$y_2 = (x^2 - 2x + 1)^2 \rightarrow \mathbb{R} \rightarrow [0, +\infty)$$

$$y_2 = \frac{1}{x^2} \Rightarrow \mathbb{R} - \{0\} \Rightarrow \mathbb{R} - \{0\}$$

$$y_2 = \frac{1}{x^2} \Rightarrow \mathbb{R} - \{0\}$$