

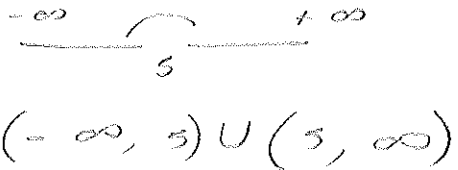
Support for College Algebra
Fall 2016
Quiz #4

Name: Key Date: _____

Find the domain of the following functions and write your result in Interval Notation.

1. $g(x) = \frac{x+3}{x-5} = 0$

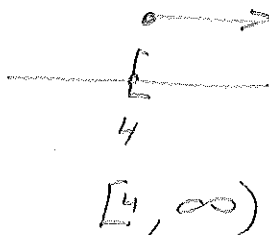
$x \neq 5$



$(-\infty, 5) \cup (5, \infty)$

2. $f(x) = \sqrt{x-4} \geq 0$

$x \geq 4$



3. $h(t) = t^2 - 3t - 10$

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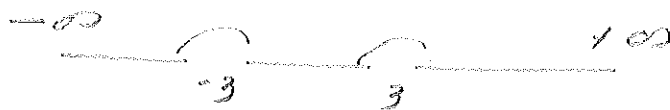
$(-\infty, \infty)$

4. $s(x) = \frac{x}{x^2-9} = 0$

$x^2 = 9$

$\sqrt{x^2} = \pm \sqrt{9}$

$x = \pm 3$

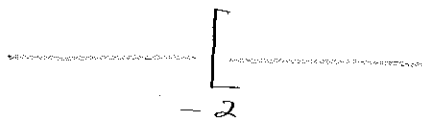


$(-\infty, -3) \cup (-3, 3) \cup (3, \infty)$

5. $f(x) = \frac{\sqrt{x+2}}{x+2} \geq 0$

$x \geq -2$

$x \neq -2$



$(-2, \infty)$