



Name \_\_\_\_\_ Period \_\_\_\_\_

**LT.5.3.2 – I can evaluate a function for specific values of the domain.**

For problems 1 – 14, use the following 4 functions below. Your final answers **MUST** be written in function notation. If you start with a fraction your answers must be in reduced improper fraction form. If you start with a decimal, your answers must be in decimal form – rounded to the same number of digits you begin with.

$$f(x) = \frac{5x - 9}{2} \qquad g(x) = -2x^2 + 5x - 7 \qquad h(x) = |1 - x| + 6 \qquad j(x) = \sqrt{7x + 3} - 4$$

1. Find $f\left(\frac{2}{3}\right)$ .	2. Find $g(-0.9612)$ .
3. Find $h(-10.5)$ .	4. Find $j(37)$ .
5. Find $j\left(\frac{3}{7}\right)$ .	6. Find $f(1.57)$ .
7. Find $g\left(\frac{8}{3}\right)$ .	8. Find $h(17.129)$ .
9. Find $f(-102)$ .	10. Find $h(97)$ .
11. What value of $x$ results in $h(x) = 7$ .	12. What value of $x$ results in $f(x) = 13$ .
13. What value of $x$ results in $g(x) = -7$ .	14. What value of $x$ results in $j(x) = -4$ .