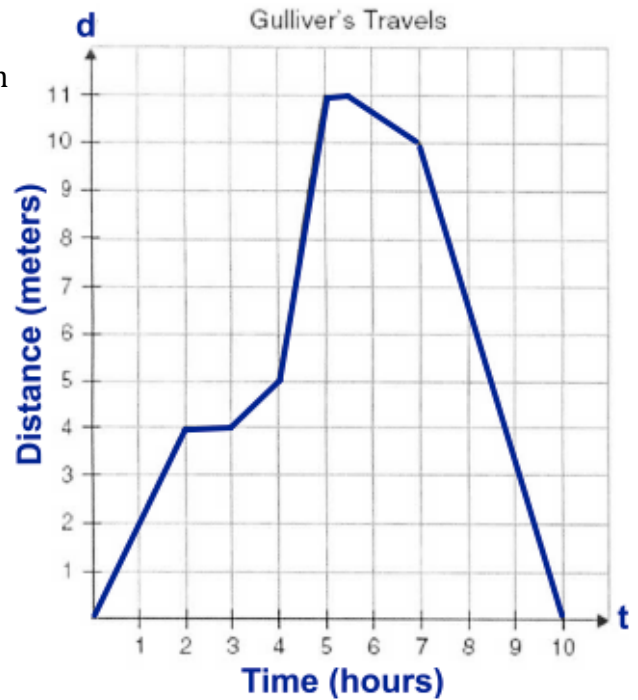


Name: _____

Math 2 Quiz Review
Evaluating Functions

The function $d(t)$ represents Gulliver's distance from home after t hours. Use the graph to evaluate the function at each value. **Explain** what each means in terms of the problem.



1. $d(2)$
2. $d(5)$
3. $d(3)$
4. $d(10)$

Calculate the value of t that makes each equation true. **Explain** what each means in terms of the problem.

5. $d(t) = 2$
6. $d(t) = 5$
7. $d(t) = 4$
8. $d(t) = 0$

Use the following function rules to evaluate:

$$f(x) = 8x + 15$$

$$g(x) = 2x^2 + x$$

- | | | |
|----------------|----------------|--------------------|
| 9. $f(3)$ | 10) $f(-4)$ | 11) $g(-2)$ |
| 12) $g(15)$ | 13) $f(0)$ | 14) $g(-20)$ |
| 15) $f(y)$ | 16) $g(t)$ | 17) $f(x + 1)$ |
| 18) $g(f(-1))$ | 19) $f(g(-1))$ | 20) $f(-4) + f(3)$ |