## Function Notation Worksheet #2

Use the functions below to evaluate at the given value.

$$f(x) = 4x - 7$$

$$g(x)=4^x$$

$$h(x) = \sqrt{x}$$

$$j(x) = 2x^2 - 3$$
  $k(x) = |x - 3|$ 

$$k(x) = |x - 3|$$

1. 
$$f(-2) =$$

2. 
$$g(3) =$$

3. 
$$h(25) =$$

$$4.\,j(-1) =$$

$$5. k(-2) =$$

6. 
$$g(-2) =$$

7. 
$$k(-1) - 5 =$$

$$8. f(0) + 7 =$$

9. 
$$g(0) =$$

10. 
$$f(a-1) =$$

11. 
$$j(3a) =$$

12. 
$$f(2p - 3q) =$$

13. Phil works at a department store and gets an employee discount. The price he pays can be modeled by the function d(c) = c - 0.08c, where c is the original price of the item. Find d(25)and describe what this means in context.

## Algebra 1

Function Notation Worksheet #2

Use the functions below to evaluate at the given value.

$$f(x) = 4x - 7$$

$$g(x) = 4^x$$

$$h(x) = \sqrt{x}$$

$$j(x) = 2x^2 - 3$$

$$k(x) = |x - 3|$$

1. 
$$f(-2) = 4(-2) - 7$$
 (2.  $g(3) = 4^3$ 

(2.) 
$$g(3) = 2$$



(3.) 
$$h(25) = \sqrt{25}$$

$$(4)j(-1) = 2(-1)^{2} - 3 \qquad (5)k(-2) = |-2 - 3| \qquad (6) g(-2) = |4|^{-2}$$



$$(5.k(-2) = | -2-3|$$

(6.) 
$$g(-2) = 4 - 2$$

7. 
$$k(-1) - 5 =$$

10. 
$$f(a-1) =$$

$$8. f(0) + 7 =$$

$$(3a) = 0$$

9. 
$$g(0) =$$

12. 
$$f(2p - 3q) =$$

13. Phil works at a department store and gets an employee discount. The price he pays can be modeled by the function d(c)=c-0.08c, where c is the original price of the item. Find d(25)and describe what this means in context.