

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. $f(-2) =$

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

Name: _____

Answers:

1. $f(-2) = -15$

2. $g(3) = 64$

3. $h(25) = 5$

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

5. $k(-2) = 5$

6. $g(-2) = \frac{1}{16} = 0.0625$

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

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

9. $g(0) = 1$

10. $f(a-1) = 4a - 11$

11. $j(3a) = 18a^2 - 3$

12. $f(2p-3q) = 8p - 12q - 7$

13. $f(11) = 310$; After 11 months, Tim has \$310 in his bank account