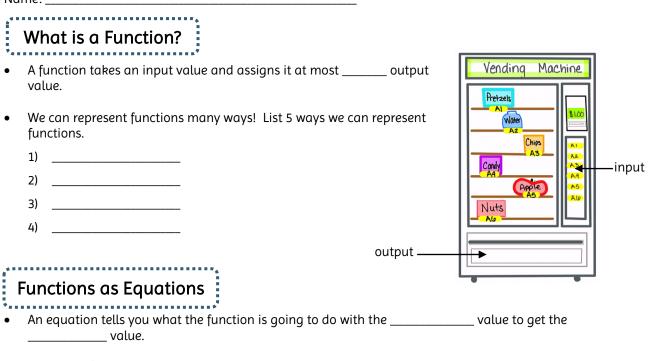


Name:



Example

y = 3x tells y	ou to	the	value by 3 to get th	e value.
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Function	Function Rule	When the input is -2 the output is ?
y = x - 2		
$y = x^2$		
$y = \frac{x}{2}$		

Function Notation

- We can use different letters to represent functions but the most popular function notation that we have seen before is _____, where f is the name of the function and $f(x) = ____$.
- We pronounce *f*(*x*) as _____ of _____.
- The number inside the parenthesis represents the ______ value and *f*(*x*) represents the ______ value.
- f(x) = 3x + 1 is the same as _____ = 3x + 1



- The notation f(1) says to _____ •
- Given the function f(x) shown below in equation, table, and graph form, evaluate f(1) and explain how you found your answer given each representation.

Given an Equation	Given a Table	Given a Graph
f(x) = x + 2	x f(x)	f(x)
	-2 0	
	-1 1	
f(1) =	0 2	• • • • • • • ×
	1 3	
	<i>f</i> (1) =	f(1) =
Practice		

True or False.

- 1. _____ f(x) is pronounced "f times x".
- 2. _____ f(x) = 2x 1 is the same as y = 2x 1.
- 3. _____ To "evaluate" a function means to find the value.
- 4. _____ In the notation h(a) = b the input is *b* and the output is *a*.

Evaluating Functions.

5. Given the function g(x) = -3x, evaluate and identify the following for each.

a. $g(-1) =$	b. g(0) =	c. $g(6) =$
Input: Output:	Input: Output:	Input: Output:
Point form:	Point form:	Point form: