

Name: _____

Date: _____

Notes

Algebra Section 4.7

Pages 262-268

Goal: "You will use function notation"



Function Notation:

$$f(x) = mx + b$$

$f(x)$ is y

x is still the input. It does not mean $f \cdot x$

Now instead of calling y the output, it is being called $f(x)$

While f is typically the most common function name, other common functions are:

$f(7)$ would just mean to _____ 7 in for x into the given function.

Finding an output given an input.

Example: What is the value of the function $f(x) = 3x - 15$ when $x = -3$?

Try These

1) Evaluate $h(x) = -7x$ when $x = 7$

2) What is the value of the function $f(x) = 2x + 12$ when $x = -8$?

Finding an input given an output.

Example: For the function $f(x) = 2x - 10$, find the value of x so that $f(x) = 6$.

Try This:

For the function $f(x) = -2x + 4$, find the value of x so that $f(x) = 16$.