

If the questions asks to “find f(#)” then I need to _____

1. Evaluate the following function: $f(x) = 2x + 13$

Find $f(4)$	Find $f(-1)$
-------------	--------------

2. Evaluate the following function: $h(x) = -3x + 5$

Find $h(12)$	Find $h(-10)$
--------------	---------------

3. Evaluate the following function: $g(x) = 4x^2 + 7$

Find $g(2)$	Find $g(-4)$
-------------	--------------

If the questions asks to “find $f(x) = \#$ ” then I need to _____

4. Evaluate the following function: $f(x) = 2x + 3$

Find $f(x) = 11$	Find $f(x) = -5$
------------------	------------------

5. Evaluate the following function: $g(x) = 3x^2 + 7$

Find $g(x) = 34$	Find $g(x) = 82$
------------------	------------------

6. Evaluate the following function: $h(x) = -5x + 1$

a) Find $h(-8)$

b) Find $h(x) = -4$

7. Evaluate the following function: $f(x) = 3x + 4$

a. Find $f(2)$

b. Find x if $f(x) = 19$

Name: _____

Date: _____

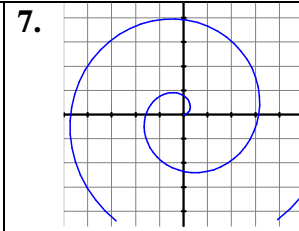
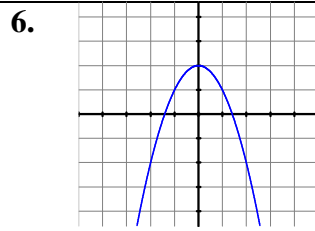
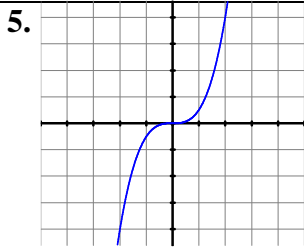
UNIT 6

LESSON 4

HW# _____

<p>1. Given: The function $f(x) = 4x + 1$.</p> <p>a) What is $f(8)$?</p> <p>b) What is x when $f(x) = 25$?</p>	<p>2. Given: The function $g(x) = -3x + 2$</p> <p>a) What is $g(-3)$?</p> <p>b) What is x when $g(x) = 17$?</p>
<p>3. Given: The function $h(x) = x^2$?</p> <p>a) What is $h(-7)$?</p> <p>b) What is x when $h(x) = 144$?</p>	<p>4. Given: The function $h(x) = x^2 - 2x$. What is $h(5)$?</p>

Directions: Determine if the following are functions. Write yes or no and **explain your answer**.



8. The function $w(x) = 60x$ represents the number of words $w(x)$ you can type in x minutes. How many words can you type in 9 minutes?

9. What is a value of x that makes the relation $\{(2, 4), (3, 6), (x, 8)\}$ a function? Explain your answer.

10. Determine which relation is a function. Justify your answers.

- a. The assignment of the members of a football team to jersey numbers.
- b. The assignment of teachers to the students enrolled in each of their classes.

DON'T FORGET TEXTBOOK !!

