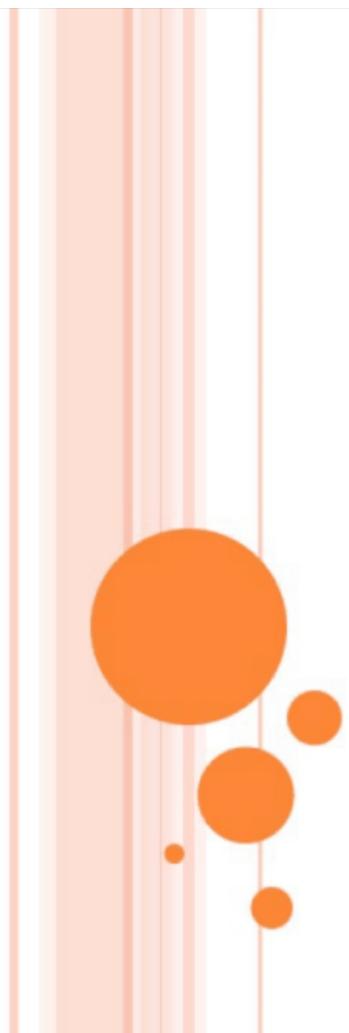# WARMUP

- Wkst 4.8 B # 1-12, 25

FUNCTIONS

Chapter 4

Section 8

FUNCTION NOTATION

$$f(x) = 3x + 4$$

f(x) is read as the value of f at x

So, if asked to find *f(3)*, you simply just find what *f(x)* is equal to when x=3

EXAMPLES:

1. $f(x) = -x + 10$
   find $f(-3)$

$$f(-3) = -(-3) + 10$$
$$= 3 + 10$$
$$= 13$$

2. $f(x) = 2x - 3$
   find $f(3)$

$$f(3) = 2(3) - 3$$
$$= 6 - 3$$
$$= 3$$

EXAMPLES

$f(x) = 4x - 8$

find $f(-3)$

$f(-3) = 4(-3) - 8$

$\quad = -12 - 8$

$\quad = -20$

$f(x) = -5x + 10$

find $f(-6)$

$f(-6) = -5(-6) + 10$

$f(-6) = 30 + 10$

$f(-6) = 40$

Class Work

- Blue book- pg 107 # 1-9
- Wkst 4.8A # 7-15

Homework

- Pg 260 # 20-28