#### Activator

Determine the outputs for f(x) = -3x + 10Page #21 Lesson 3.6 for f(1)for f(2)f(x) = -3x + 10f(x) = -3x + 10The points f(1) = -3(1)+10f(2) = -3(2)+10are f(1) = -3 + 10f(2) = -6 + 10(1,7)(2,4)f(1) = 7Use Algebra. f(2) = 4

# Today's Objective Lesson 3.6

# Students will be able to determine the average rate of change.







## **Today's New Vocab (2 of 4)** Is the average rate of change (slope) Page #21 increasing or decreasing? Decreasing



Why? The line is going down from left to right and the f(x) column is decreasing.



Rate of change (Slope) =  $\frac{chan}{chan}$ 

change in y or Range change in x or Domain

## **Today's New Vocab** (4 of 4) What is the average rate of change when $1 \le x \le 4$ ?



### **Exit Ticket**

What is the average rate of change from age  $20 \le x \le 50$ ?



# **Group Work Questions**



Directions: All groups, please do all of the questions. Use your notes from last class to help you. [Ask 2 people before you ask me.]

Last time, we did Lesson 3.6 Notes. 1<sup>st</sup> Stop @ 8:17 \*One person from each group will present one question.

### **Work Period**

What is the average rate of change from hours  $1 \le x \le 5$ ?

