Activator



Evaluate the function.

f(0) = -3f(1) = 2f(3) = 6= 5 f(4)f(6) = -3 Page #17 Lesson 3.5

What is the Maximum (top)?

(3, 6)

Today's Objective Lesson 3.5

Students will be able to determine the domain and range of a function.





Today's New Vocab (1 of 4) Can two inequalities be put together? $x \ge -6$ $x \le 2$ Yes less greater than 2 than -6 It means "in between" $-6 \le x \le 2$ X is in between -6 and 2.

Today's New Vocab (2 of 4) What is the **Domain** of the function?



Domain means "how wide" **Domain** means only X values This is a compound inequality which means "in between"

 $-6 \leq x \leq$

(-6,0) between (2,-4)

Today's New Vocab (3 of 4) What is the Range of the function?



Range means "how Tall" **Range** means only Y values This is a compound inequality which means "in between" $-4 \leq y \leq -$ Highest Lowest is in (-4,-4) between (0, 0)



Work Period

What is the domain(x) and range(y) of the function?



Pages 20-19 **Group Work Questions** Lesson 3.5 Do page 20 FIRST 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 3.5 Notes. 2nd Stop @ 9:03 ^{3rd} Stop @ 10:06 8th Stop @ 2:20 *One person from each group will present one question.

Exit Ticket

What is the domain(x) and range(y) of the function?

