Happy Monday, October 24!

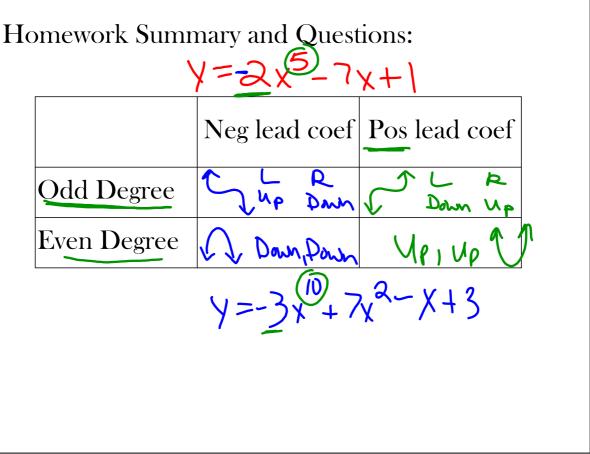
Do Now:

What is the end behavior of the following?

$$f(x) = 3x^{3} - 2x + 1$$

(Hint, think "to the right" and "to the left")

Oct 23-8:45 PM



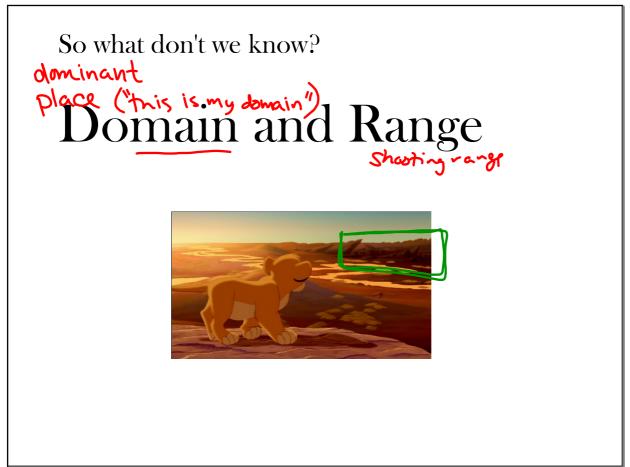
Oct 23-8:50 PM

### Formative Quiz on Wednesday

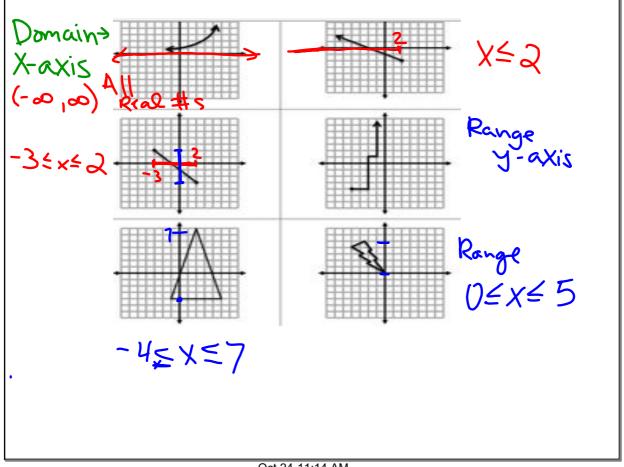
However, if you receive a 4, you do not need to take the summative next Monday.

On the quiz, you will sketch graphs based on their end behavior, zeros, and give domain and range.

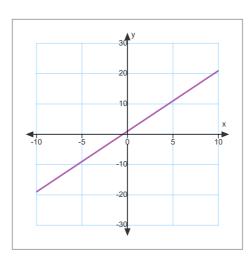
NO CALCULATORS.



Oct 23-8:53 PM

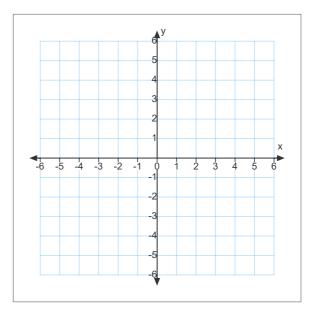


$$y = 2x + 1$$

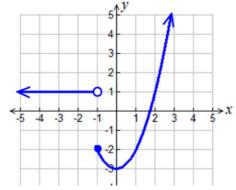


Oct 24-9:30 AM

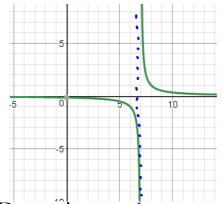
# How do we read inequalities?



#### Domain refers to the x-axis



Domain:

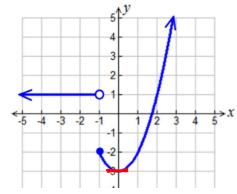


Domain:

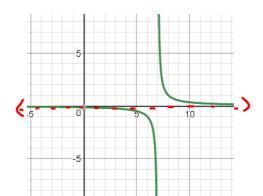
All real numbers except 7

Oct 23-8:55 PM

## Range refers to the x-axis

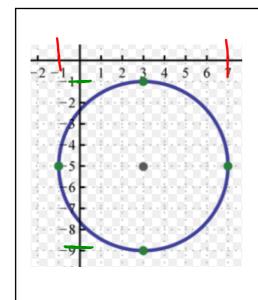


Range:



Range:

All reals except sero



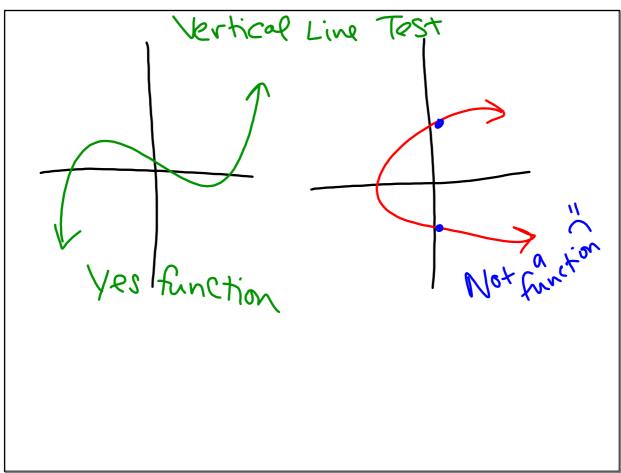
Domain:

$$-1 \le X \le 7$$

Range:

$$-9 \le x \le -1$$

Oct 24-8:20 AM



#### Matching Activity

Use the graphs provided and the descriptions of the domain/range to match the graphs.

Oct 24-9:31 AM

### Exit Slip:

Domain refers to which axis?

Range refers to which axis?

Homework: Finish Matching Activity