Agenda

- Homework:
  - Functions packet pg. 55

- Materials:
  - Calculator

- DO NOW
  - Take out homework
  - Set up Cornell Notes:
    - **Topic**: Translating between Symbolic Form and Graphs
    - **EQ**: Explain the relationship between Symbolic Form and Graphs.

How do you multiply a fraction with a whole number?

- Multiply by the numerator
- Divide by the denominator
- Note: Doesn't matter which you do first
- Example:

$$\frac{4}{7}(21)$$

$$4(3) \leftarrow$$ Easier to divide first

$$12 \leftarrow$$ Multiply

How does evaluating a function relate to graphs?

- Given $F(x) = -\frac{2}{5}x + 6$
- Evaluate F(10)

This means:
x = 10

$$F(10) = -\frac{2}{5}(10) + 6$$

Plug in 10 for x

$$F(10) = -4 + 6$$

Multiply (PEMDAS)

$$F(10) = 2$$

Add (PEMDAS)

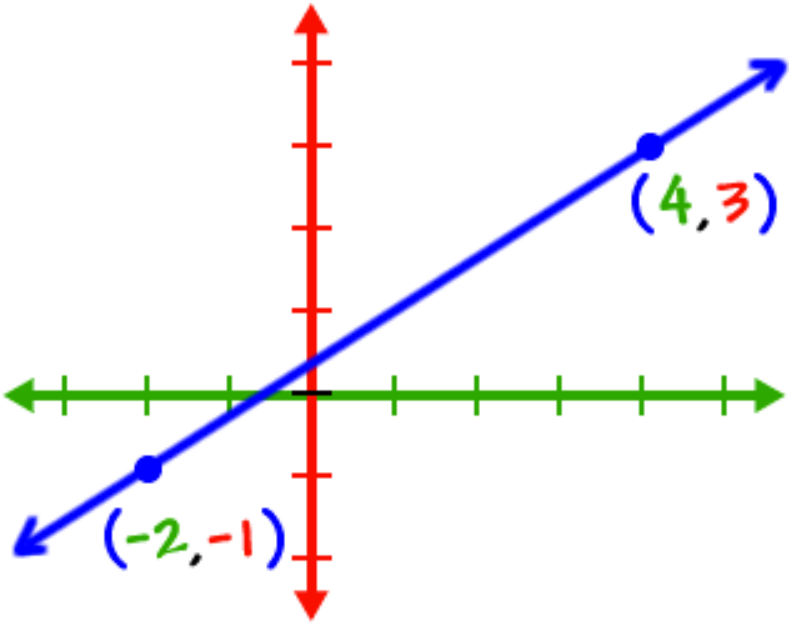
RECALL:
F(x) is the
SAME as y

This means:
y = 2

(10, 2)

How do you check if a function represents a graph?

1. Choose 2 or more (x, y) points on the line
2. Test each point to be sure they are solutions of the function
3. If ALL points are solutions, YES
4. If even one point is not a solution, NO



F(-2) = -1 ?

F(4) = 3?

Agenda

- Whole class discussion
  - Alg Packet pg. 51
- Independent/Group work
  - Alg Packet pg. 52-54