Equations for a Line:

* Slope-Intercept Form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Standard Form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Point-Slope Form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ex 1:** A line passes through the following two points: \_\_\_\_\_\_\_\_\_\_

Write the equation of this line in Point-Slope Form

**Section 6-2: Slope-Intercept Form for the equation of a line**

Find the slope and the y-intercept of each equation.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope: Slope:

y-int.: y-int.:

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope: Slope:

y-int.: y-int.:

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope:

y-int.:

Writing the equation of a line in Slope-Intercept Form:

Write the equation of the line that passes through these two points in Slope-Intercept Form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Method 1:**

First: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Second: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Third: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Method 2:**

First: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Second: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Third: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

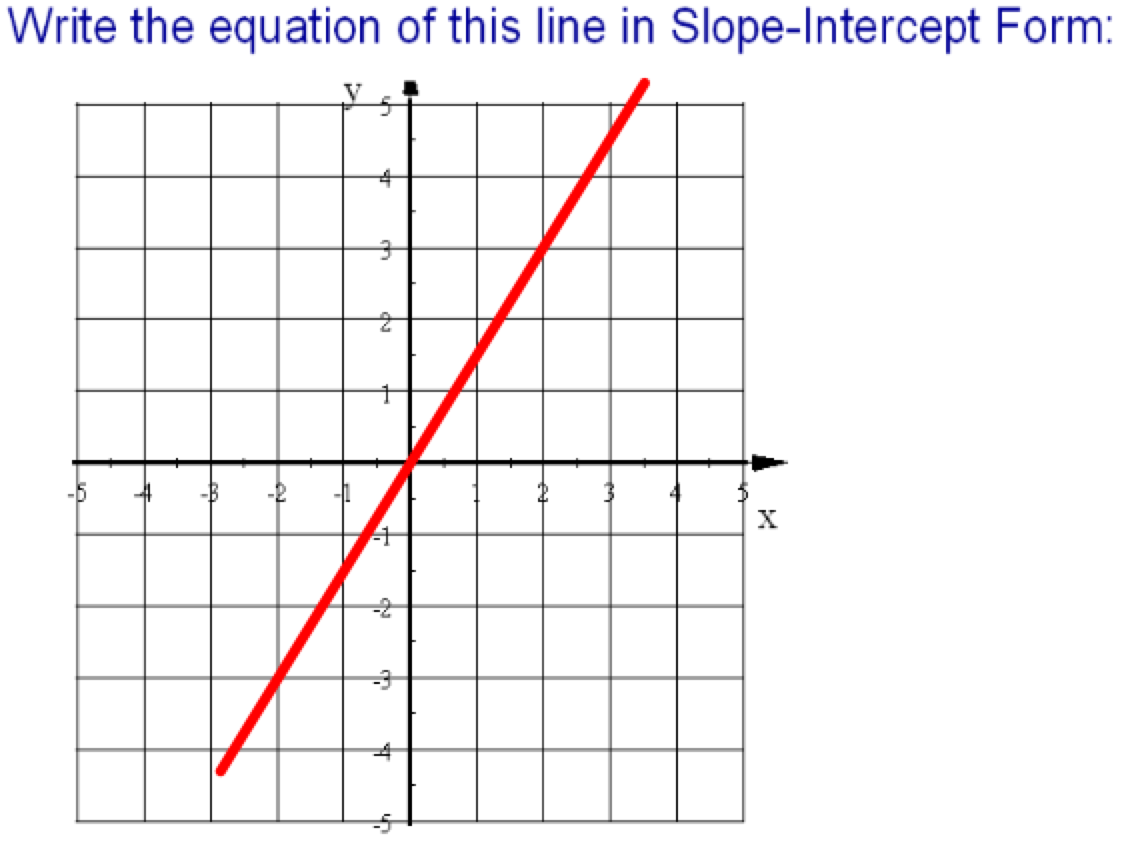
Fourth: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fifth: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

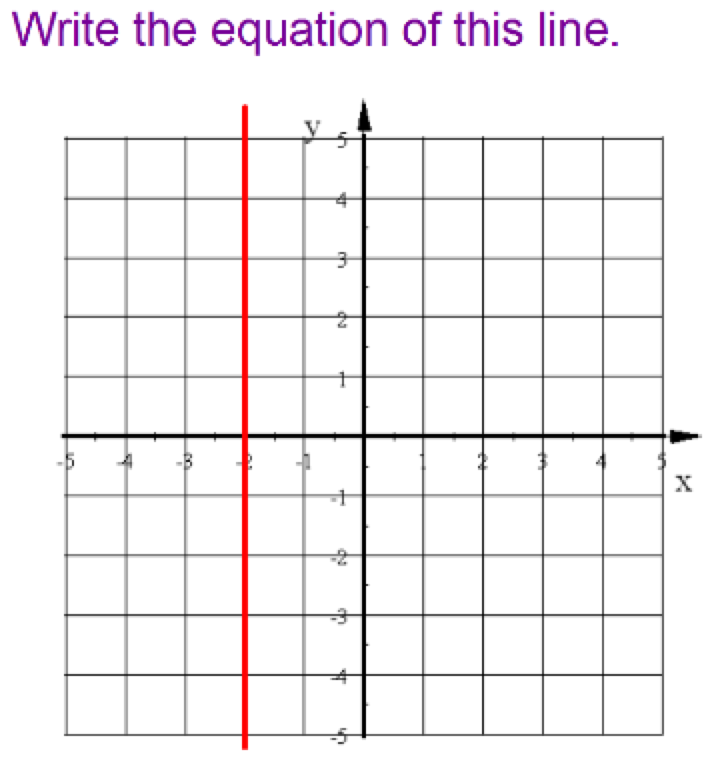
Write the equation of the line that passes through these two points in Slope-Intercept Form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the equation of the line that passes through these two points in Slope-Intercept Form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_









Norma won a $100 prize. Her dad put it in a savings account for her then she added $5 each week to the savings account. Model this situation with an equation.

When slope-intercept models a real situation

What situation could be modeled by this situation?

What situation could be modeled by this situation?