Lesson 1 – Title/Main Idea: _____
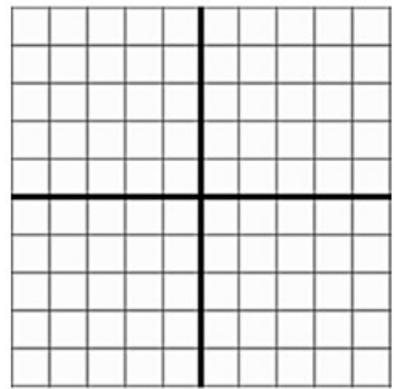
General Notes and Ways to Think About Slope...
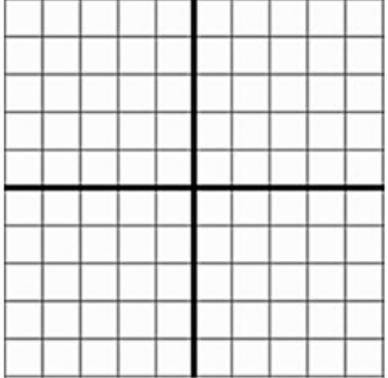
Slope Examples (Note: it would be good to have multiple examples including positive/negative examples, and vertical/horizontal ones)

How to remember pos. vs. neg. slope (in your own words):_____

_____

_____

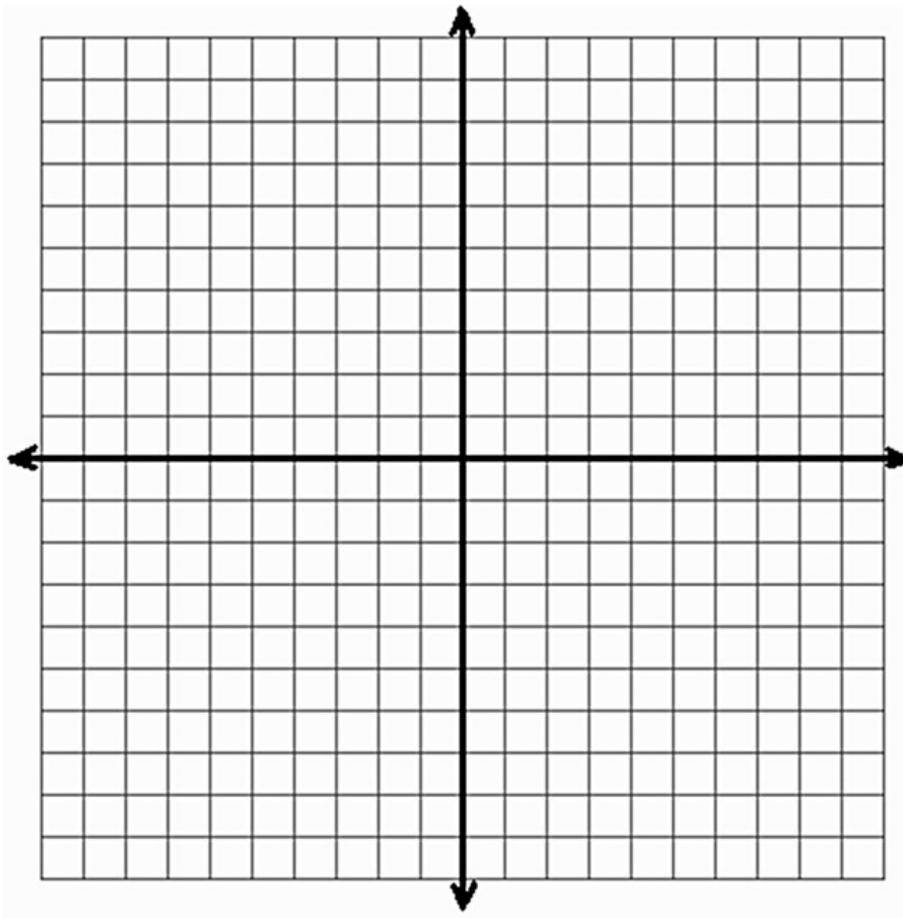Slope Formula:_____

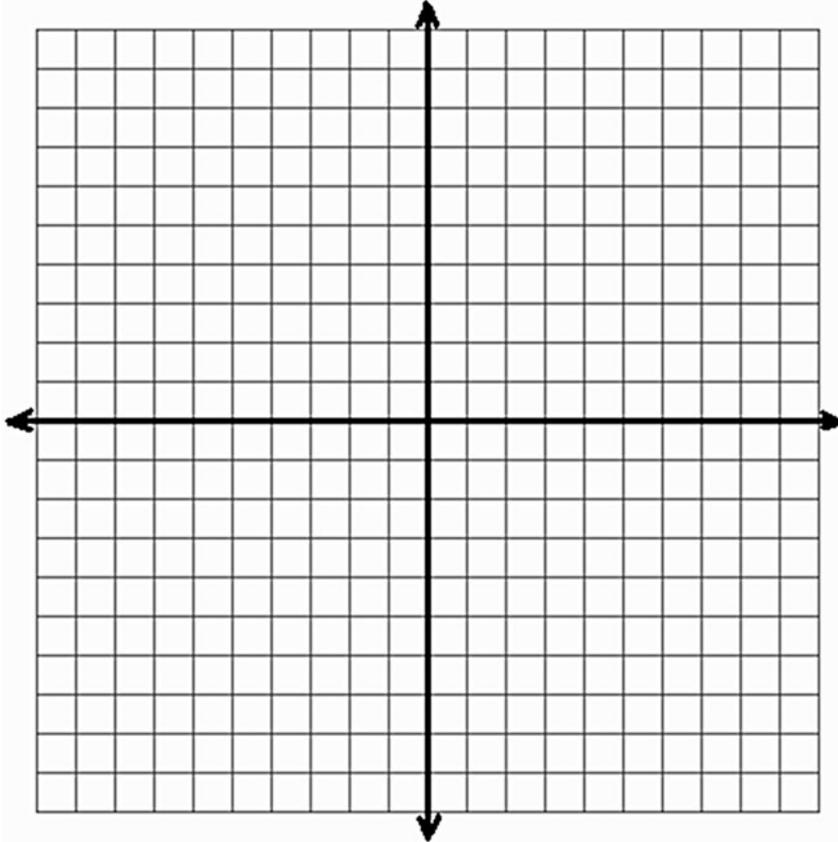| Simple Slope Formula Example	Complex Slope Formula Example

Extra Notes/Examples:

Lesson 2 – Title/Main Idea: _____

Slope-Intercept Form of a Linear Equation:_____

The "m" represents: _____   The "b" represents: _____

Labeled Example of Slope-Intercept Form Equation: _____

Graphed Examples of Slope-Intercept Form Equations:

Equation 1 (red):

Equation 2 (blue):

Equation 3 (green):

Equation 4 (purple):

The x-intercept is found when: _____   The y-intercept is found when: _____

Find the x-intercept and y-intercept example problem.	Write the equation of a line that... example problem.

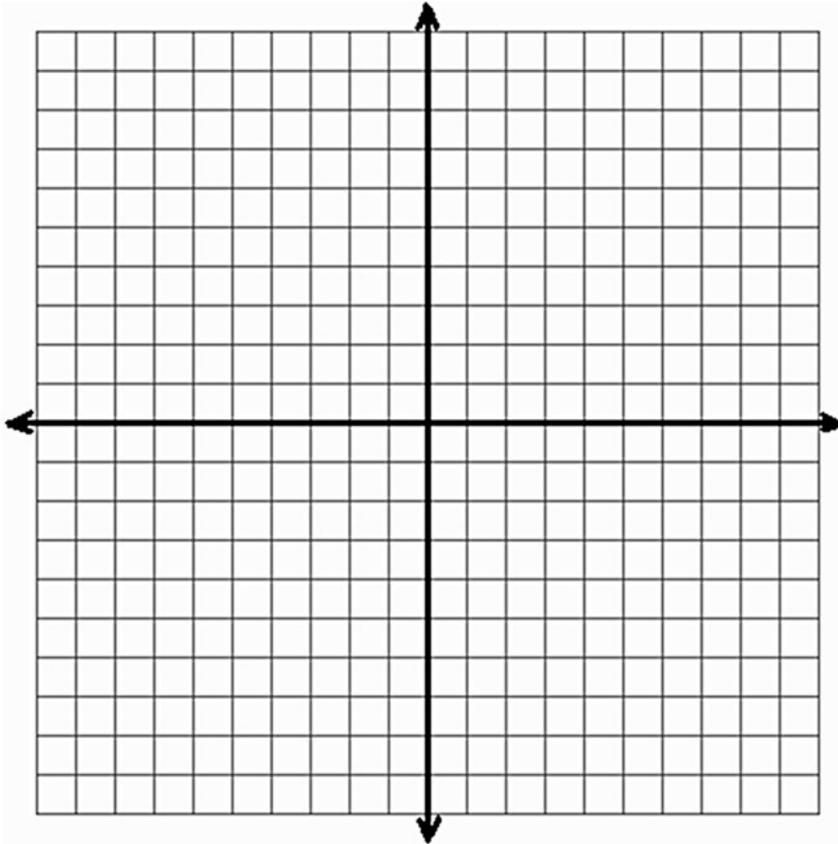Extra Notes/Examples:

Lesson 3 – Title/Main Idea: _____

Point-Slope Form of a Linear Equation:_____

"m" represents: _____　"x_1" represents: _____　"y_1" represents: _____

Labeled Example of Point-Slope Form Equation: _____

Graphed Examples of Point-Slope Form Equations:

Equation 1 (red):

Equation 2 (blue):
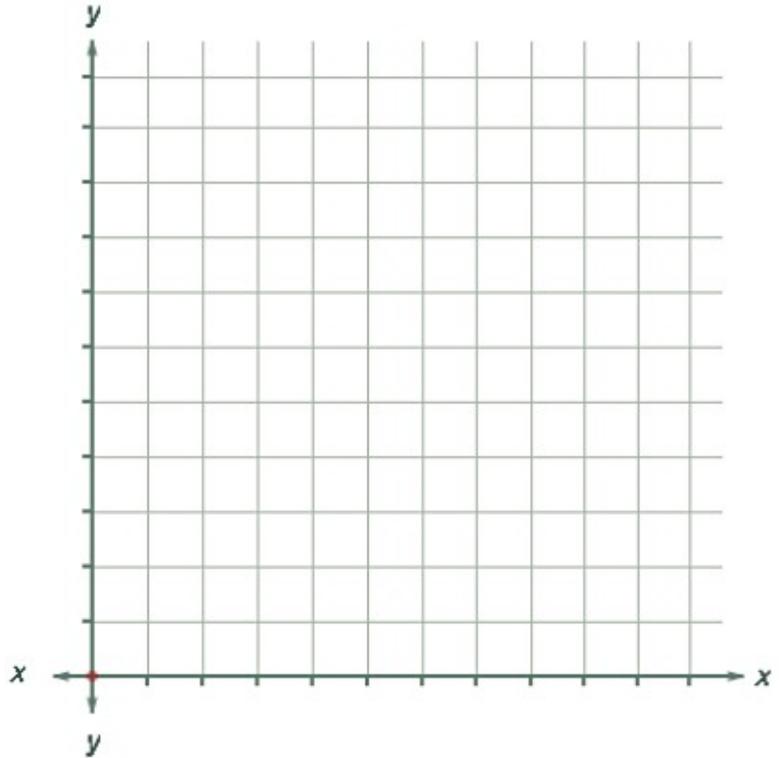
Equation 3 (green):

Equation 4 (purple):

Write the point-slope form of the equation of a line that passes through (__, __) and has a slope of ___.	Write the point-slope form of the equation of a line that passes through (____, ____) and (____, ____).

Extra Notes/Examples:

Lesson 4 – Title/Main Idea: _____

Scatter Plot Example:

Scatter Plot Data	

Notes about this scatter plot: _____

_____

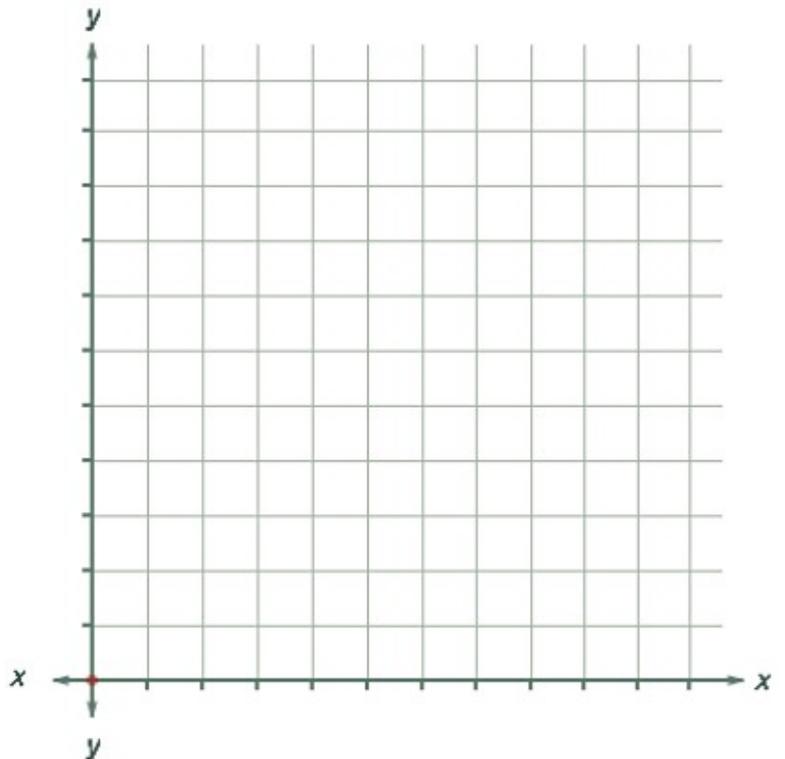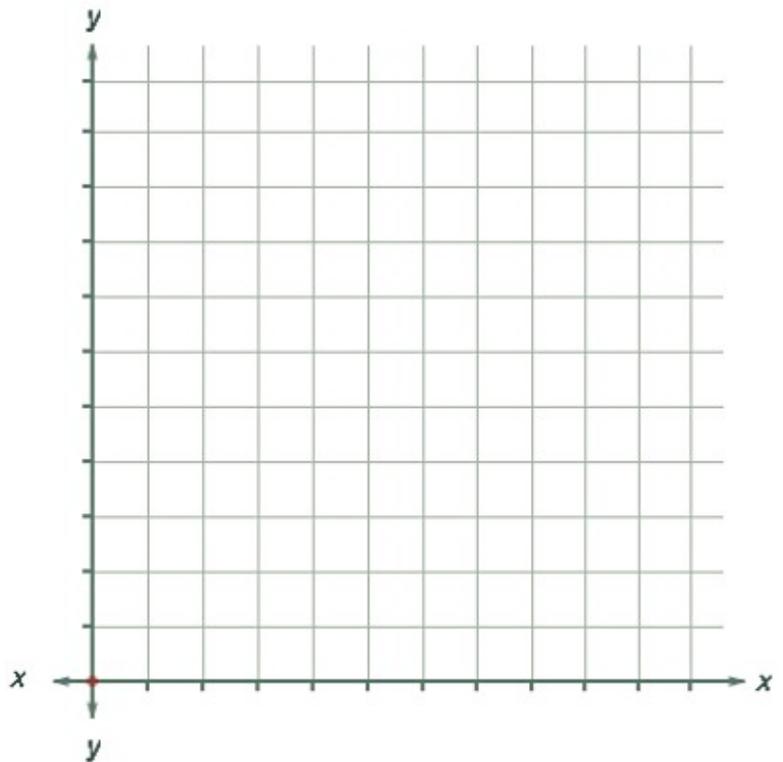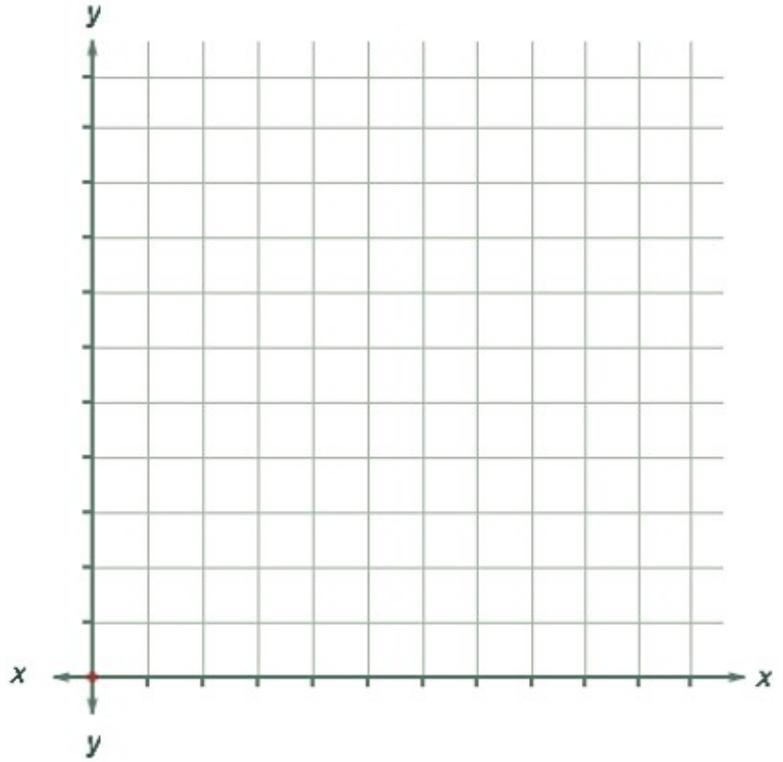_____

_____

About using a "break": _____

Positive vs. Negative vs. No Correlation: _____

_____

Steps For and Example Of Finding a Trend Line:

Extra Notes/Examples:

Unit 5

Lesson 5 – Title/Main Idea: _____

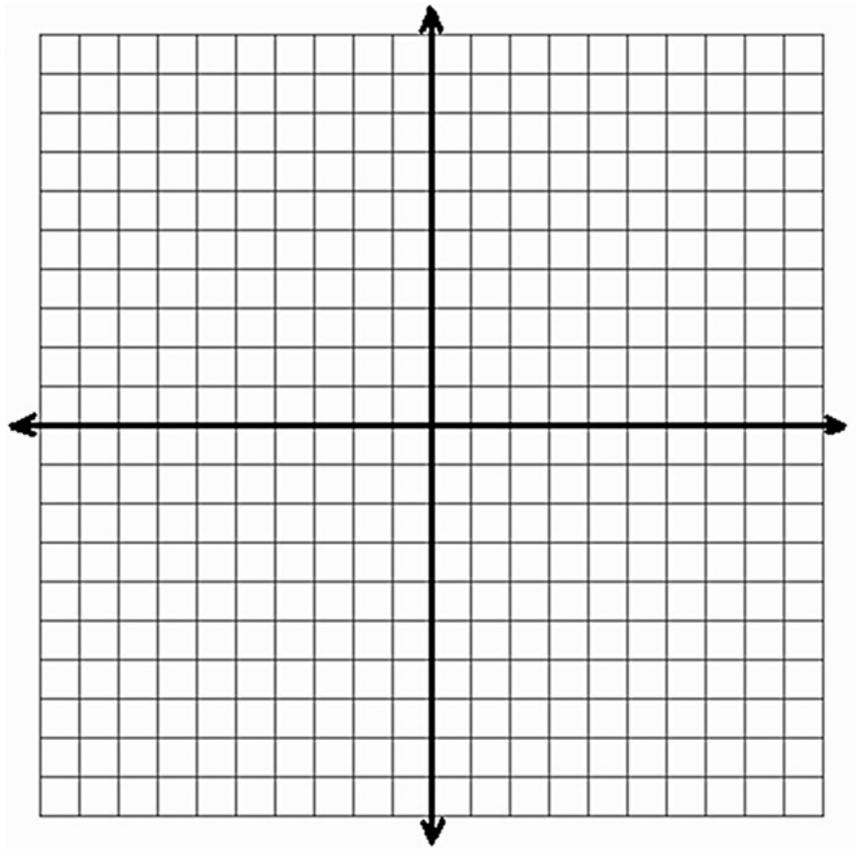| Steps for Graphing from Slope-Intercept Form	Steps for Graphing from Point-Slope Form
1.) _____	1.) _____
2.) _____	2.) _____

Graphing a Slope-Intercept Equation (blue)
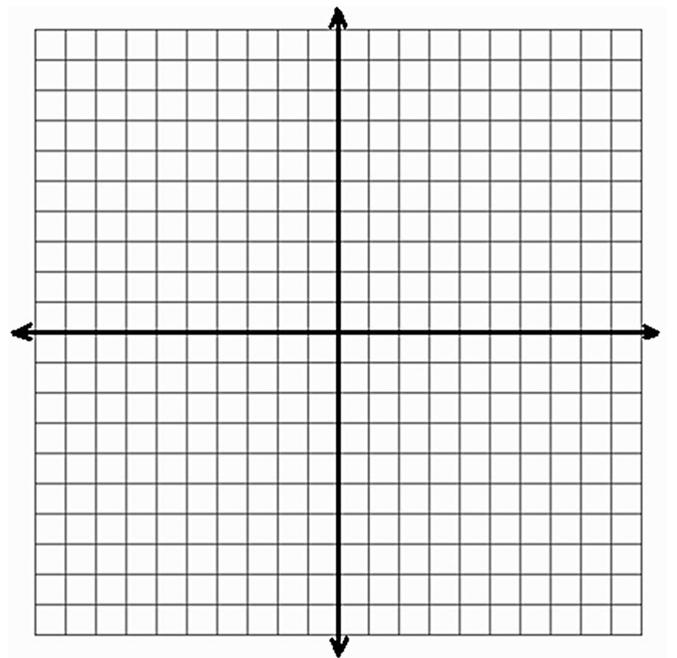
Equation:

Graphing a Point-Slope Equation (green)

Equation:

Graphing a Standard Form Equation (red)

Equation:

Extra Notes/Examples:

Lesson 6 – Title/Main Idea: _____

About Parallel Lines and Slope: _____

Example: _____ and _____ are parallel because _____
       example equation 1   *example equation 2*

_____

About Perpendicular Lines and Slope: _____

Example: _____ and _____ are perpendicular because _____
       example equation 1   *example equation 2*

_____

Example Problem: "State the equation of the line that is parallel to _____and goes through (__, __)."	Example Problem: "Graph the line that is perp. to _____and goes through (___, ___)."
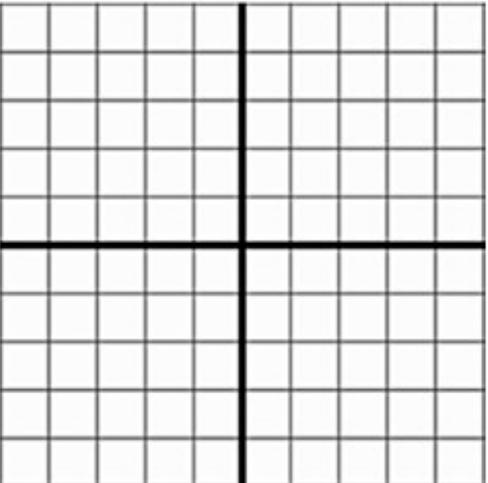
About Horizontal Lines: _____

_____
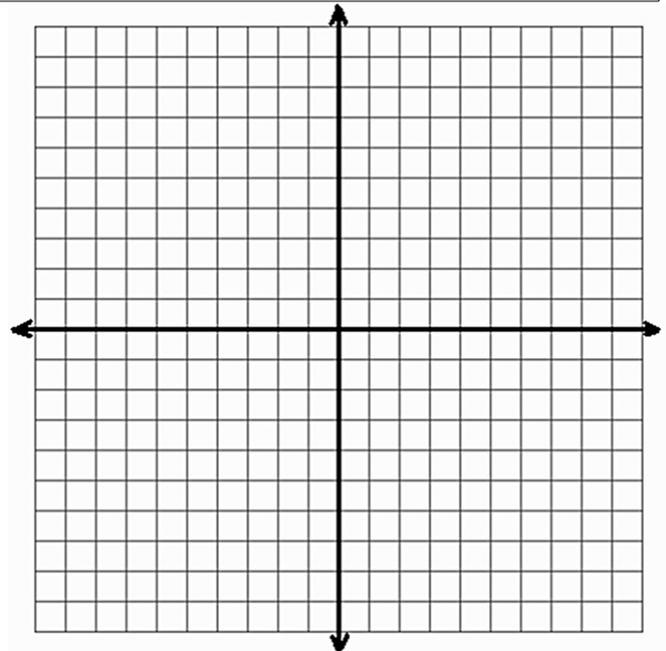
Example Horizontal Line Equation: _____

About Vertical Lines: _____

_____

Example Vertical Line Equation: _____

Graph for Horizontal/Vertical Line Examples ➡

Extra Notes/Examples: