Algebra 1 Unit 2.1 Recovery Work

Algebraic Proofs:



Equation Forms:

What is Slope-Intercept Form? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is Point-Slope Form? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is Standard Form? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Find the Point-Slope form of a line that goes through the points (-1,2) and (3,4).
	1. Write the equation in Slope-Intercept Form
	2. Write the equation in Standard Form
2. Find the Point-Slope form of a line that goes through the points (-1,-2) and (-4,1).
	1. Write the equation in Slope-Intercept Form
	2. Write the equation in Standard Form
3. Find the Point-Slope form of a line that goes through the points (-1,-3) and (3,-5).
	1. Write the equation in Slope-Intercept Form
	2. Write the equation in Standard Form

Inequalities



**For each of the following inequalities:**

**(a) Write the inequality algebraically.**

**(b) Graph the inequality on the real number line.**

**(c) Write the inequality in interval notation.**

1. *x* is greater than 5.
2. *x* is less than 4.
3. *x* is less than or equal to 3.
4. *x* is greater than or equal to 7.

**Write each of the following inequalities in interval notation.**

1. ****
2. ****
3. ****
4. ****

Solving Systems of Equations



