Name:

Date:

Lesson 5.1.1 Homework

* **5-5.** A tile pattern has 5 tiles in Figure 0 and adds 7 tiles in each new figure.  Write the equation of the line that represents the growth of this pattern.

* **5-6.**Solve each equation below for the indicated variable, if possible. Show all steps.
	1. Solve for  x: 2x + 22 = 12
	2. Solve for *y: 2x − y = 3*
	3. Solve for  x: 2x + 15 = 2x – 15
	4. Solve for y: 6x + 2y = 10

**5-7.**Solve each of the following equations for  x.  Then check each solution.

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

**5-8.**Graph the lines y = −4x + 3 and y = x − 7 on the same set of axes.  Then find their point of intersection.



**5-9.**Draw Figures 1, 2, and 3 for a tile pattern that could be described by y = −3x + 10.