Name:

Date:

Lesson 3.1.5 Homework

* **3-46.** Create an x → y table using at least eight points from the graph at the right.  Write the rule for the pattern in the table.

* **3-47.** For each rule below, make a table of x- and y-values.  Then graph and connect the points from your table on graph paper using an appropriate scale. Label each graph with its equation.
	1. y = −2x + 7



* 1. y = 11x

**

**3-48.** WHICH IS GREATER?

Write the algebraic expressions shown below.  Use “legal” simplification moves to determine which expression in the Expression Comparison Mat is greater.

* 1. 
*

**3-49.** Simplify each expression.

1. $\frac{2}{3}(0.8)$
2. $\frac{4}{3}×\frac{3}{7}$
3. $-\frac{5}{6}×\frac{4}{7}$
4. $-\frac{4}{5}×-\left(1\frac{1}{3}\right)$

**3-50.** For the following equations, simplify and solve for the variable.  Record your work.

* 1. 2x − 7 = −2x + 1
	2. −2x − 5 = −4x + 2