Name:

Date:

Lesson 4.1.5 (Part 1) Homework

* **4-44.** Complete a table for the rule *y* = 3*x* − 2.
	1. Draw a complete graph for this rule.
	2. Is (−50, −152) a point on the graph? Explain how you know.

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**4-45.** Write down everything you know about the tile pattern represented by the *x* → *y* table at right. Be as specific as possible.

**4-46.** Find the area and circumference of a circle that has a diameter of 17 mm. Write your answers in terms of π and as a decimal approximation.

**4-47.** Copy and complete each of the Diamond Problems below. The pattern used in the Diamond Problems is shown at right.



**4-48.** Simplify each of the expressions below. You may use an Equation Mat and tiles.

* 1. −(5*x* + 1)
	2. 6*x* − (−5*x* + 1)
	3. −(1 − 5*x*)
	4. −5*x* + (*x* − 1)