

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Per: \_\_\_\_\_

Lesson 6.1.3 Homework

6-29. Graph each of the following inequalities on a number line.

- a.  $x > 3$
- b.  $x \leq 5$
- c.  $x \geq -4$

6-30. Write an algebraic expression for each situation. For example, 5 less than a number can be expressed as  $n - 5$ .

- a. 7 more than a number
- b. Twice a number

6-31. MATH TALK

Read the Math Notes box in this lesson to review commonly used algebra vocabulary. Then consider the expression below as you answer the following questions.

○  $3x^2 + 7 - 2(4x + 1)$

- a. Name a constant.
- b. What are the two factors in  $2(4x + 1)$ ? What are the two factors in  $4x$ ?
- c. Write an expression with a variable  $m$ , a coefficient  $-3$ , and a constant of 17.
- d. Use the words coefficient, constant, term, expression, variable, and factor to describe  $4x^2 + 11y - 37$ .
- e. Use the words factor, product, quotient, and sum to describe the parts of  $\frac{5-m}{n} - 2 - 8(m+n)$ .

6-34. Find the perimeter and area of each algebra tile shape below. Be sure to combine like terms. Homework Help 

