NCM1B Unit 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date:

**Homework Lesson 5.5: Find the Missing Polynomial and More Polynomial Applications**

**Assume that figures that appear to be rectangular are rectangles. Slash marks on the side of a polygon indicate corresponding sides are congruent (the same size).**

1. Find the Perimeter: 2. Find the Perimeter:



3. Find the missing side length. 4. Find the Area:

 The perimeter is $3x^{2}-2x-5$.



5. Find the Area: 6. Find the Area:

7. Find the Area: 8. Find the area of the rectangle whose

 dimensions are $2x-3$ and $2x+1$.

9. A rectangular garden as a length of $x+8$ units and a width of $x-4$ units. If you increase the length and width of the rectangle by 4 units, what is the NEW area of the rectangle?

10. Find the Area of the Shaded Region: 11. Find the Area of the Shaded Region: