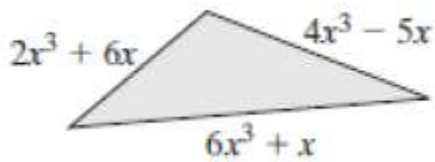


Name: _____ Date: _____

Writing polynomial expressions for Perimeter, Area and Volume

1. A square has a side length of $3x + 11$. What is the perimeter of the square?
2. What is the area of the square?
3. If we used that same square as a base to make a cube, what is the volume of the cube?

4. Find the perimeter of the object shown



5. A garden has a length that is 5 feet longer than its width. Draw and label picture that represents the garden
6. You want to build a fence around the garden to keep out rabbits. Write an expression that represents this.
7. You decide to lay down a layer of tarp before filling the garden with soil. Write an expression that would represent this. (Hint: Would it be perimeter, area or volume?)
8. If $x = 2$, how much fencing will you need?
9. Again, if $x = 2$, how many square feet of tarp will you need?
10. You go to the store to buy soil. Assuming that your garden will be 1.5 ft. tall, how much soil should you buy? (Hint: Would it be perimeter, area or volume?)