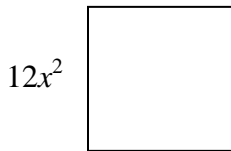


**Fill in the table.**

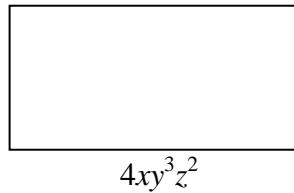
	Polynomial	# of terms	Name by # of terms	Degree	Name by degree
1)	$c^2 - 7$				
2)	$\frac{1}{2} y^3$				
3)	$5x^2 + 9x - 1$				
4)	$-6x^2$				
5)	$4x - 1$				
6)	$-4x^3 - 7x^2 - 6x - 8$				

**Solve. Write out the formula and then show all work. DRAW A PICTURE if one is not given to you to assist you in solving these problems.**

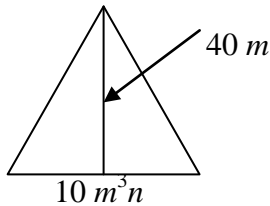
7) Find the perimeter and area of the square which sides are at  $12x^2$ .



8) Find the missing dimension of the rectangle below if the total area is  $16x^2y^3z^5$



9) Find the **perimeter and area** of the triangle below where all of the sides are  $10m^3n$ .



10) Calculate the **perimeter and area** of a square that has a side that measures  $(x + 5)$ .

11) If a rectangle has an area of  $18x^9y^2$  and a width of  $6x^7y$ , what is the height?

12) If the length of the rectangle is  $(2x + 3)$  inches and the width is  $(x - 4)$  inches, what is the perimeter and area?

13) If a triangle has sides of  $(2x + 5)$ ,  $(3x + 2)$ , and  $(x - 7)$  square inches and the base is  $4x$ , what is its perimeter and area?

14) Tory wants a new patio. She wants the length to be 5 more than triple the width ( $w$ ). Determine the **area** of her garden in terms of the width.

15) The Addams family is having a new addition to their family, but they have no room for a baby, so they are adding onto their home as shown in the diagram below.

