Shapes of Spring

By completing this activity sheet you are able to gain up to five extra credit points that can be used for the next Chapter test. Answer the 5 questions on the activity sheet on the next page using the bulletin board. Follow all directions carefully!!!! When you have completed this activity sheet hand it in to Miss Wiand.

Directions:

On the bulletin board there are six items that can be removed: the center of the one flower, the stem of another flower, both sections of the bird house, and two rays from the sun. Gently pull each piece off of the bulletin board when you are asked to. Answer the questions regarding each piece of the bulletin board and then gently attach the pieces back to the board. Any materials needed to measure the pieces can be found in the teal bag on the front of the bulletin board.

Below the pieces of the bulletin board that can be removed are illustrated for you.

**Picture not drawn to scale and colors may vary.**
**Shapes of Spring**

**Activity Sheet**

**Directions:**
Show all work and make all measurements using the metric system. For more detail directions see previous page in packet.

1. Answer the following questions about the stem of the flower.
   
   a. What shape is this object: ________________

   b. What formula, discussed in class, would you use to find the volume of this object? ________________

   c. Using the formula listed in part b, find the volume of this object. Find the volume of this object. Use the space provided below to show all steps.
2. Answer the following questions about the birdhouse.
   
   - **Roof**
   - **Base**
   a. What 3-dimensional shape is the Base? _______________
   b. Find the volume of the roof of the birdhouse. List the generic formula used to find this volume. (Show all steps!)
   c. Find the volume of the Base of the birdhouse. (Show all steps!)

3. Remove the two rays of the sun and answer the following questions about them.
   
   a. List the measurements of the first triangle (labeled by a 1 on the back of the triangle).
      
      Base: __________  Height: __________  Width: __________
      
      b. Find the volume of the first triangle using the measurements found in part a.
      
   c. List the measurements of the second triangle (labeled by a 2 on the back of the triangle).
      
      Base: __________  Height: __________  Width: __________
      
      d. Find the volume of the second triangle using the measurements listed in part c.
4. Answer the following questions about the center of the flower.
   a. What formula would you use to find the volume of this object? ____________________
   b. Explain in detail why you would use this formula. Please use complete sentences!

5. List 10 different examples where 3-D geometric shapes can be found in your everyday life.
   a. 
   b. 
   c. 
   d. 
   e. 
   f. 
   g. 
   h. 
   i. 

*** Remember to replace all parts of the bulletin board when you are finished with them. Make sure this is done before you hand in the activity sheet!!!!!!***