

Geoemtry

Written Assignment: Surface Area and Volume of Spherical Objects

Total Points = 50

For this assignment, you will be finding the surface area and the volume of three different spherical objects. You will need to find three objects and measure the distance around the center using a ruler or tape measure. Show all work!

Step 1: Find 3 spherical objects around your house. These can be anything from a ball to candle (Be creative!!). Try to pick a variety of sizes.

Step 2: Sketch each figure and label the distance around the center (This is the circumference of the largest circular cross section of the sphere). Label with appropriate units.

Step 3: The measurement you just found is the circumference. Calculate the radius of the sphere.

Step 4: Find the surface area of each object. Show all work and label your answers appropriately.

Step 5: Find the volume of each object. Show all work and label your answers appropriately.

Step 6: Submit all work, sketches and answers to your teacher.