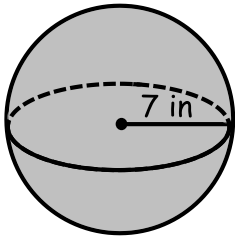


Name _____ Date _____

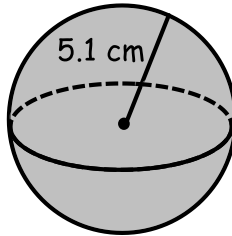
Day 4 – Volume of Prisms, Pyramids, and Spheres

Find the volume of the sphere. Round your result to two decimal places.

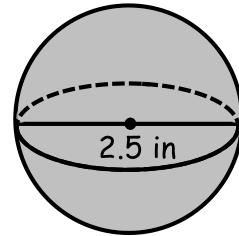
1.



2.



3.



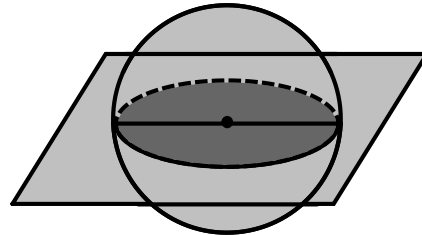
In exercises 4 - 7, use the diagram at the right. The center of the sphere is C and its circumference is 9π inches.

4. What is half of the sphere called?

5. Find the radius of the sphere.

6. Find the diameter of the sphere.

7. Find the volume of half the sphere.

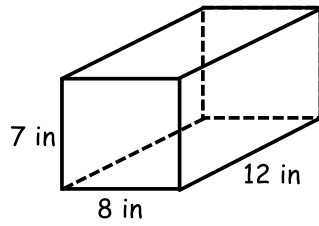


8. A sphere is inscribed in a cube of volume 8 cubic meters. What is the volume of the sphere? Round your answers to two decimal places.

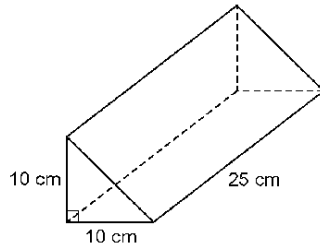
9. The volume of a sphere is 240 in^3 . The radius is multiplied by 3 to form a new sphere. What would be the volume of the new sphere?

Find the volume of each of the following and round to the nearest tenth. $V = B \cdot h$

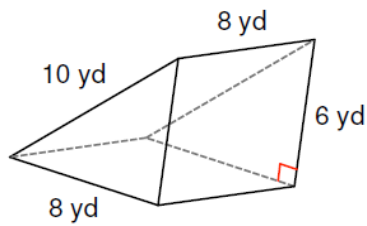
1. $B =$ _____
 $V =$ _____



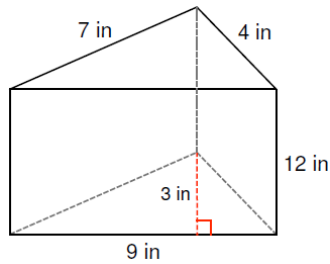
2. $B =$ _____
 $V =$ _____



3. $B =$ _____
 $V =$ _____



4. $B =$ _____
 $V =$ _____



5. $B_1 =$ _____
 $V_1 =$ _____

- $B_2 =$ _____
 $V_2 =$ _____

Total $V =$ _____

