

GLO	/2
HW	/8

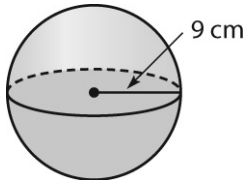
Name _____
Date _____ Period _____

MODULE
13

Volume
STUDY GUIDE

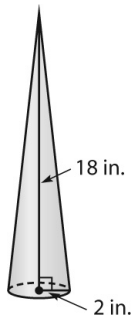
Use 3.14 for π . Round answers to the nearest hundredth.

1. What is the volume of the sphere below?
Use the formula for a sphere.



- A 339.12 cm³
B 3,052.08 cm³
C 37.68 cm³

2. What is the volume of this cone? Use the formula for volume of a cone.



3. Tomato paste is sold in a cylindrical can. The can has a radius of 1.5 inches and a height of 4.8 inches. What is the volume of the can?

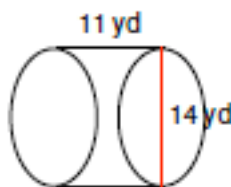
- A 22.61 in³
B 108.52 in³
C 33.91 in³
D 13,565 in³

4. A cone has a height of 8.4 centimeters and a base with a radius of 5.2 centimeters. What is the volume of the cone?

- A 75.62 cm³
B 237.74 cm³
C 713.21 cm³
D 2,571.14 cm³

5. A baseball has a diameter of 4 in. What is the volume of the baseball?

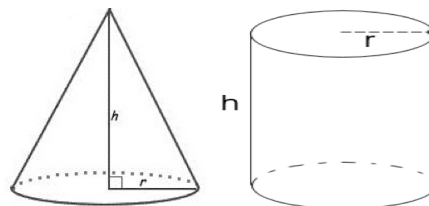
6. Find the volume of the following cylinder:



7. What is the volume of a rectangular prism where the length is 4 in, width is 3 in, and the height is double the width?

- A 72 in³
B 36 in³
C 12 in³

8. How many times bigger is the volume of a cone compared to the volume of a cylinder? The cone and cylinder have the same radius and height.



Name _____ Date _____ Class _____
