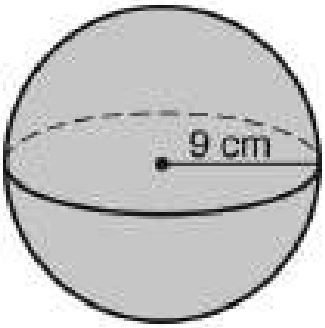
Day 15 G-GMD.3 Notes Name_____

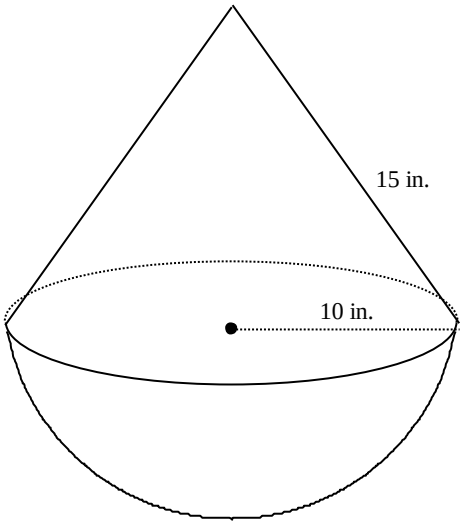
Date_____ Period_____

1. What is the volume of the sphere? Give your answer in terms of π.

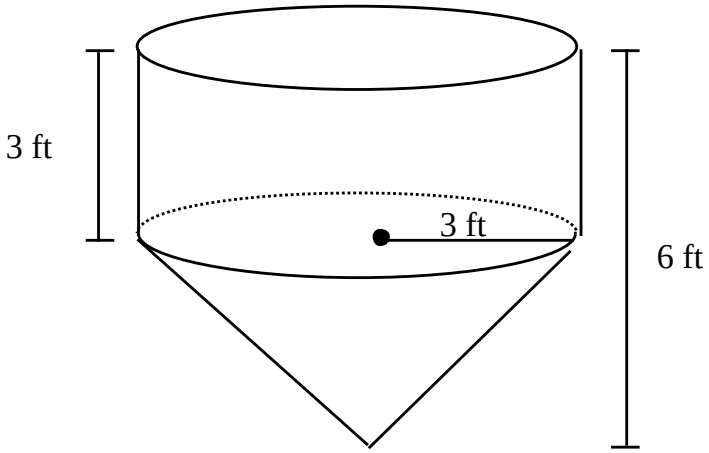


1b. What if the radius was multiplied by $\frac{1}{3}$, what is the volume of the new sphere?

2. Find the volume of the composite figure. Give your answer in terms of π.



3. Find the volume of the composite figure. Round to the nearest hundredth.



4. To the nearest cubic centimeter, determine the volume of packing peanuts needed to fill the box if the radius of the enclosed cylinder is 4 centimeters and the cylinder is centered in the box.