## Review for quiz \#7 - Volune of Cylinders, Cones, and Spheres

Name: $\qquad$ Class: $\qquad$
1.) Find the exact volume of a cylinder that has a radius of 7 and a height of 10 .
2.) Find the volume of a cone that has a diameter of 10 inches and a height of 13 inches. Round to the nearest hundredth.
3.) Find the volume of a sphere that has a diameter of 22 cm . Round to the nearest whole number.
4.) Find the volume of a sphere that has a radius of $8.1 \times 10^{6}$. Express the answer in scientific notation.
5.) There are two containers of soda. One is a cone with a diameter of 8 inches and a height of 9 inches and the second is a cylinder with a radius of 6 inches and a height of 7 inches.
a.) If you want the container with the most soda, which one would you choose? Your work must support your answer. Leave your answer as an exact answer.
b.) How much more soda does the larger container have than the smaller container? Leave your answer as an exact answer.

