Review for Quiz #7 - Volume of Cylinders, Cones, and Spheres

Name:												(Class:				
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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 8.1×10^6 . 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 of9 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.