

- 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 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.