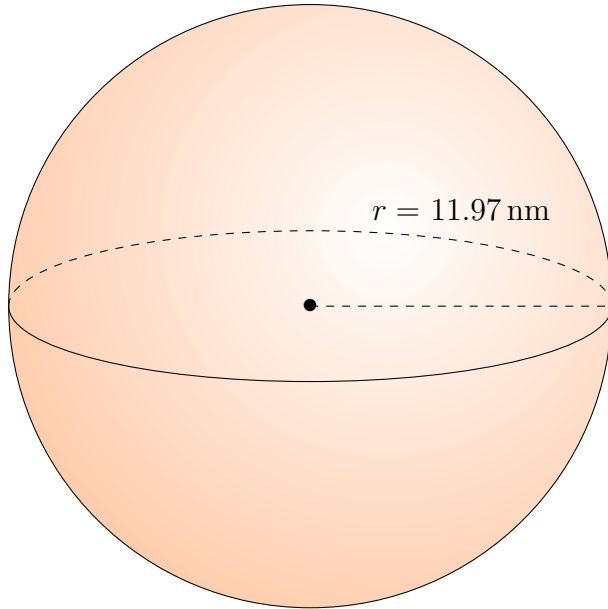


Surface Area and Volume of Spheres (B)

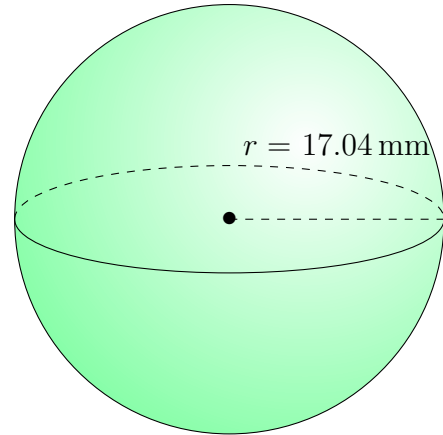
Calculate the surface area and volume for each sphere.

$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

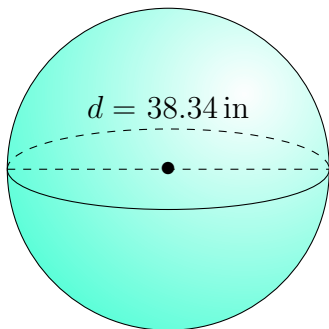
1.



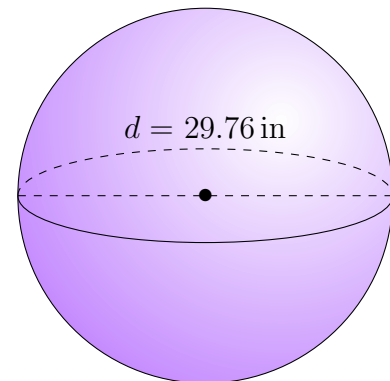
2.



3.



4.

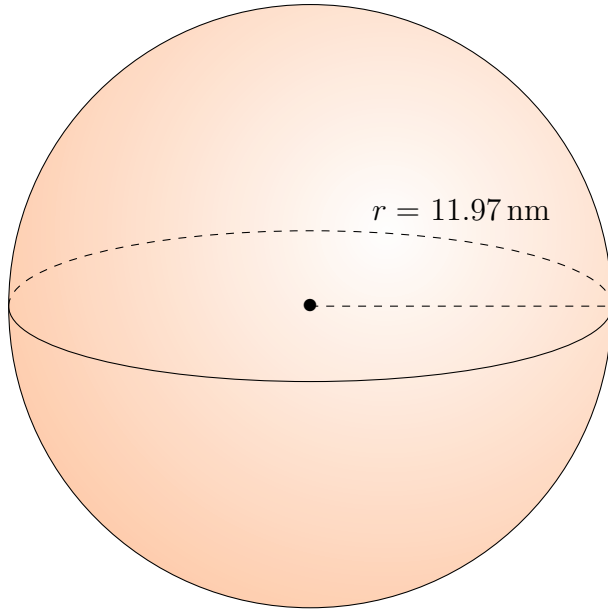


Surface Area and Volume of Spheres (B) Answers

Calculate the surface area and volume for each sphere.

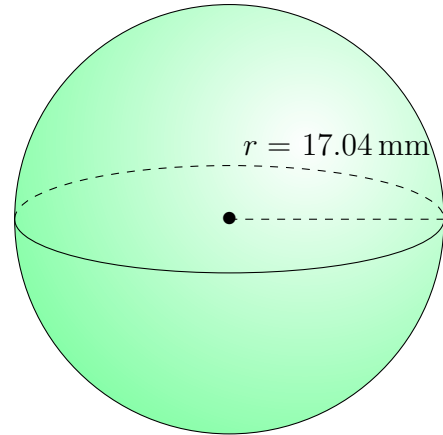
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



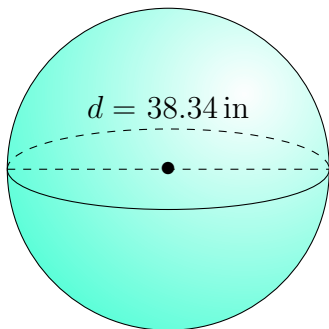
$$\begin{aligned} \text{Surface Area: } & 1800.52 \text{ nm}^2 \\ \text{Volume: } & 7184.08 \text{ nm}^3 \end{aligned}$$

2.



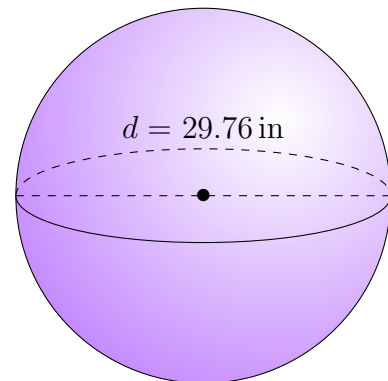
$$\begin{aligned} \text{Surface Area: } & 3648.79 \text{ mm}^2 \\ \text{Volume: } & 20,725.14 \text{ mm}^3 \end{aligned}$$

3.



$$\begin{aligned} \text{Surface Area: } & 4618.00 \text{ in}^2 \\ \text{Volume: } & 29,509.03 \text{ in}^3 \end{aligned}$$

4.



$$\begin{aligned} \text{Surface Area: } & 2782.38 \text{ in}^2 \\ \text{Volume: } & 13,800.58 \text{ in}^3 \end{aligned}$$