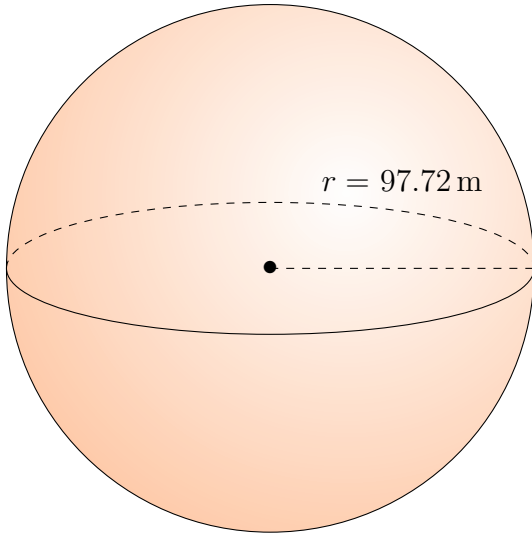


# Surface Area and Volume of Spheres (C)

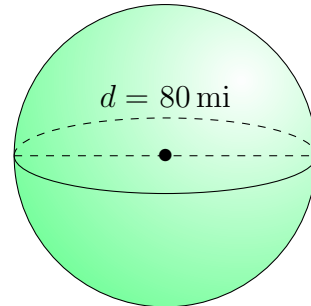
Calculate the surface area and volume for each sphere.

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

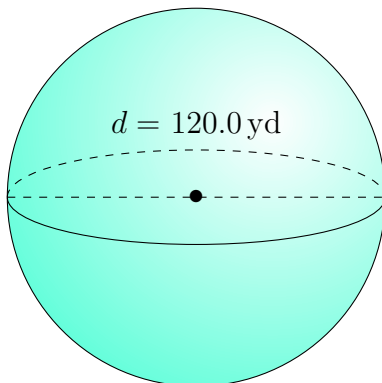
1.



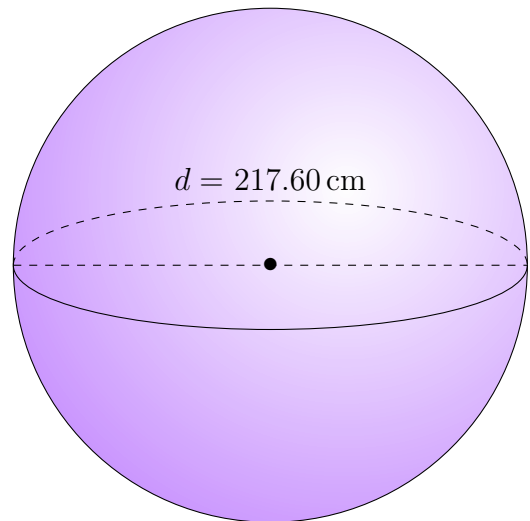
2.



3.



4.

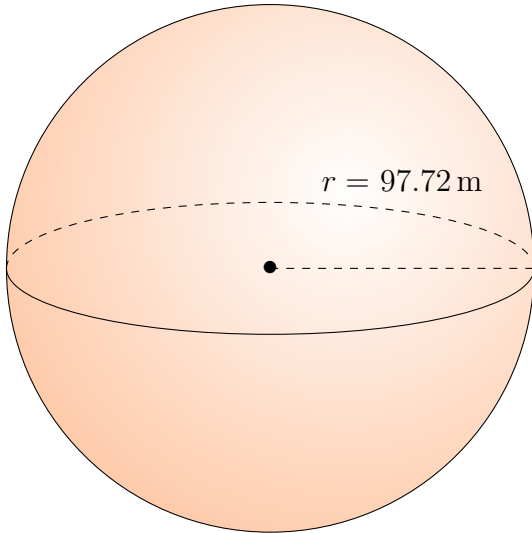


# Surface Area and Volume of Spheres (C) Answers

Calculate the surface area and volume for each sphere.

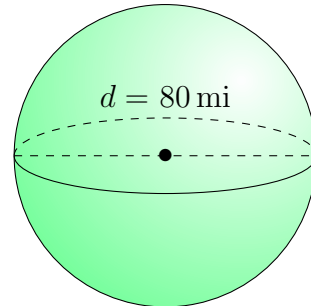
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



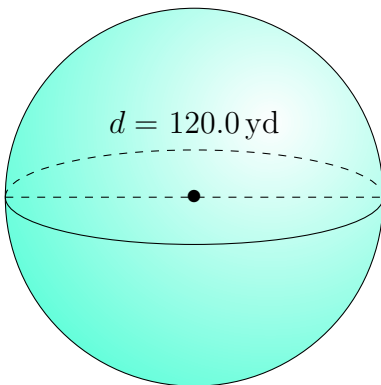
Surface Area: 119,998.77 m<sup>2</sup>  
Volume: 3,908,759.81 m<sup>3</sup>

2.



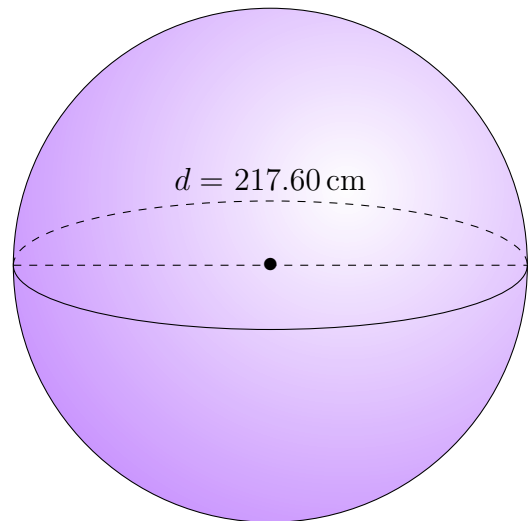
Surface Area: 20,106 mi<sup>2</sup>  
Volume: 268,083 mi<sup>3</sup>

3.



Surface Area: 45,238.9 yd<sup>2</sup>  
Volume: 904,778.7 yd<sup>3</sup>

4.



Surface Area: 148,753.66 cm<sup>2</sup>  
Volume: 5,394,799.34 cm<sup>3</sup>