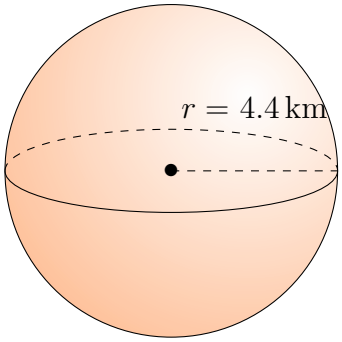
Surface Area and Volume of Spheres (C)

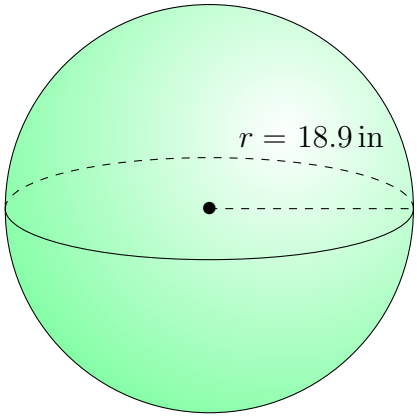
Calculate the surface area and volume for each sphere.

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

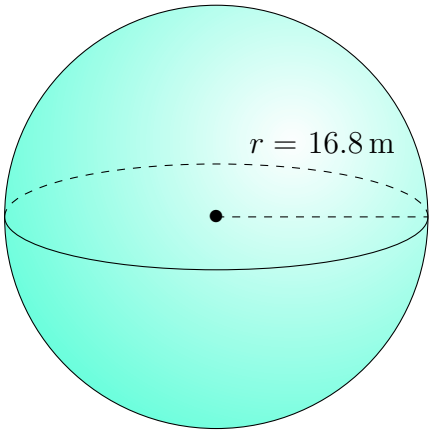
1.



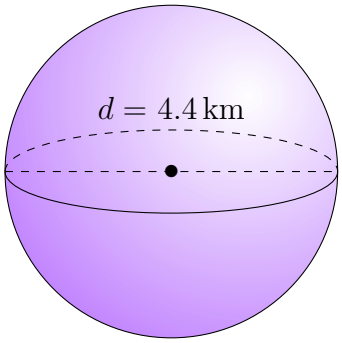
2.



3.



4.

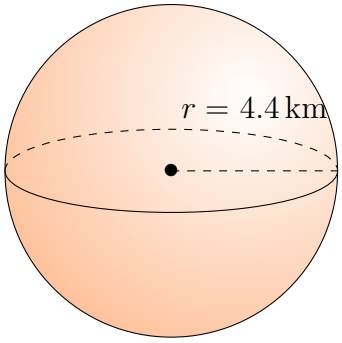


Surface Area and Volume of Spheres (C) Answers

Calculate the surface area and volume for each sphere.

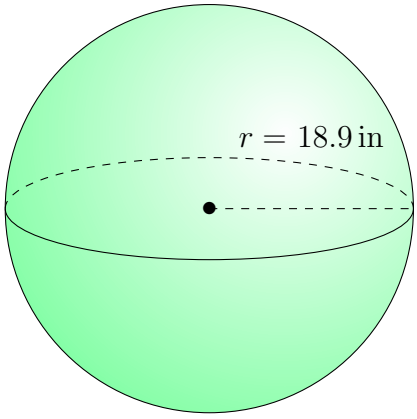
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



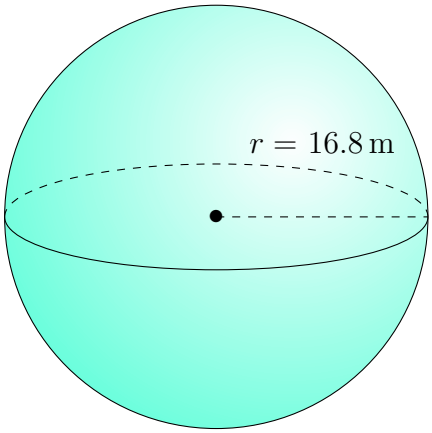
Surface Area: $243.3\,\text{km}^2$
Volume: $356.8\,\text{km}^3$

2.



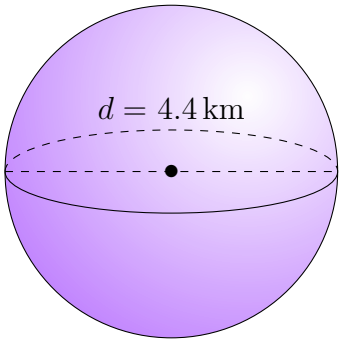
Surface Area: $4488.8\,\text{in}^2$
Volume: $28{,}279.6\,\text{in}^3$

3.



Surface Area: $3546.7\,\text{m}^2$
Volume: $19{,}861.7\,\text{m}^3$

4.



Surface Area: $60.8\,\text{km}^2$
Volume: $44.6\,\text{km}^3$