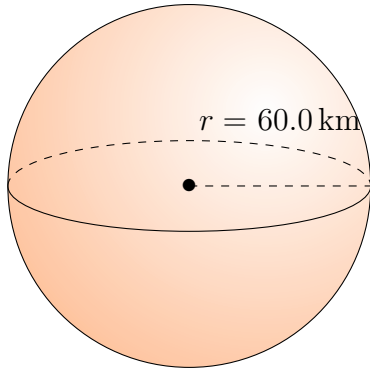


Surface Area and Volume of Spheres (A)

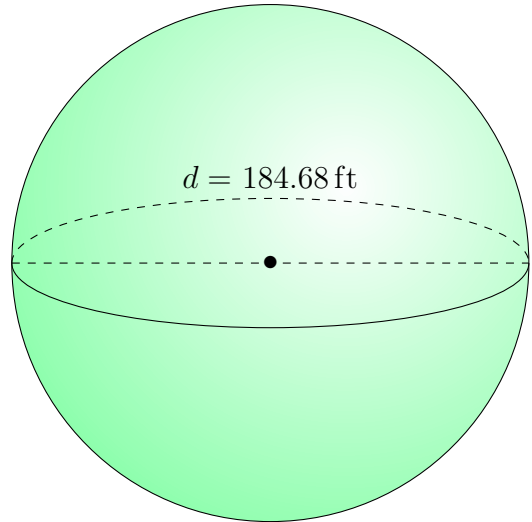
Calculate the surface area and volume for each sphere.

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

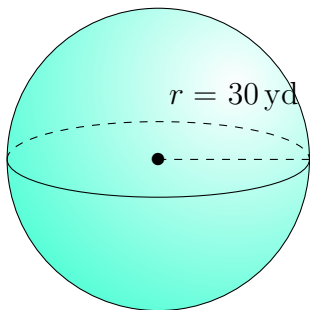
1.



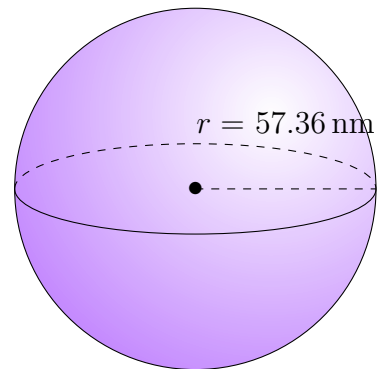
2.



3.



4.

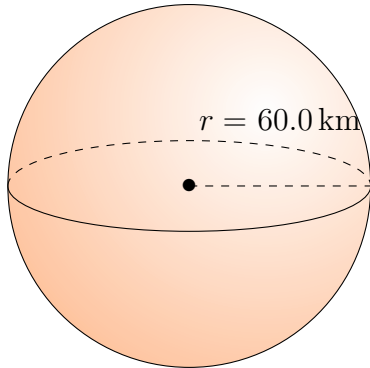


Surface Area and Volume of Spheres (A) Answers

Calculate the surface area and volume for each sphere.

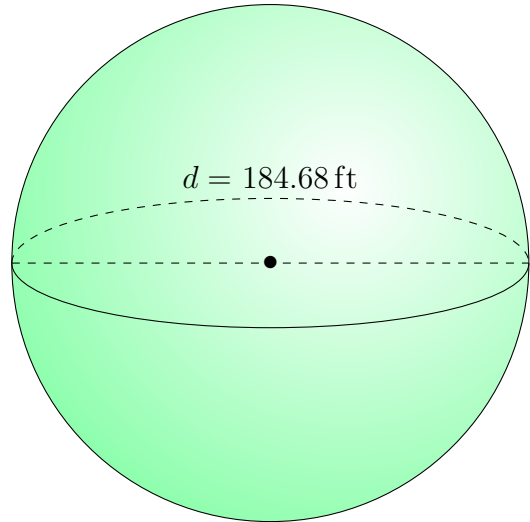
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



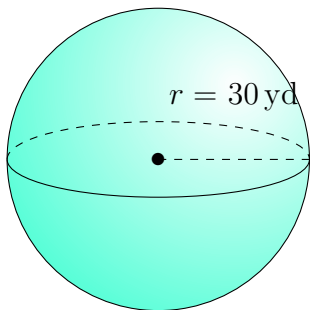
Surface Area: $45,238.9 \text{ km}^2$
Volume: $904,778.7 \text{ km}^3$

2.



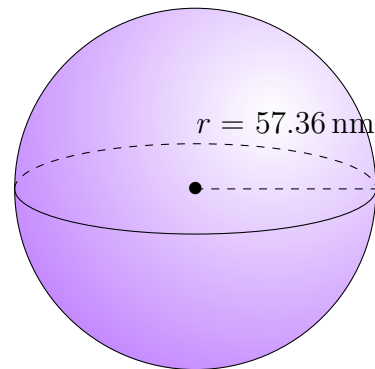
Surface Area: $107,149.37 \text{ ft}^2$
Volume: $3,298,057.48 \text{ ft}^3$

3.



Surface Area: $11,310 \text{ yd}^2$
Volume: $113,097 \text{ yd}^3$

4.



Surface Area: $41,345.49 \text{ nm}^2$
Volume: $790,525.78 \text{ nm}^3$