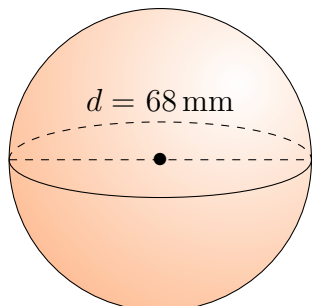


Surface Area and Volume of Spheres (E)

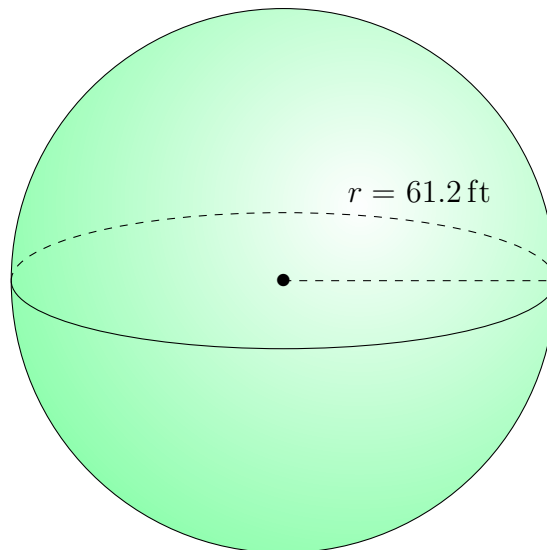
Calculate the surface area and volume for each sphere.

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

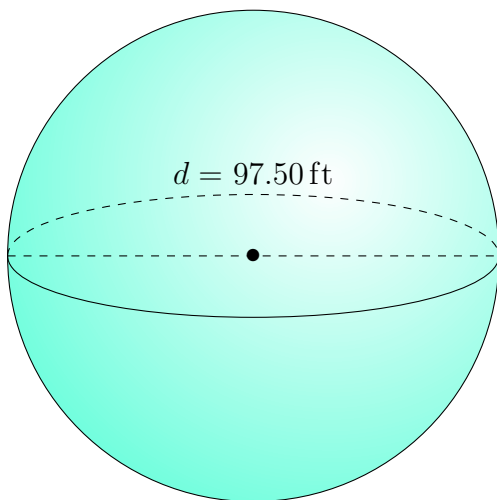
1.



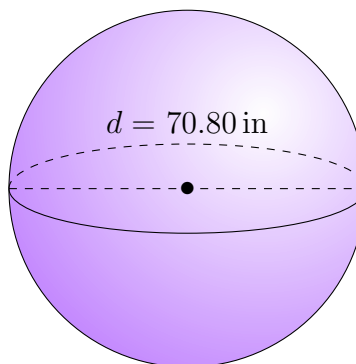
2.



3.



4.

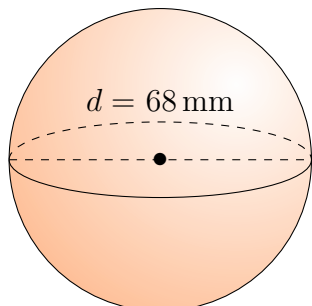


Surface Area and Volume of Spheres (E) Answers

Calculate the surface area and volume for each sphere.

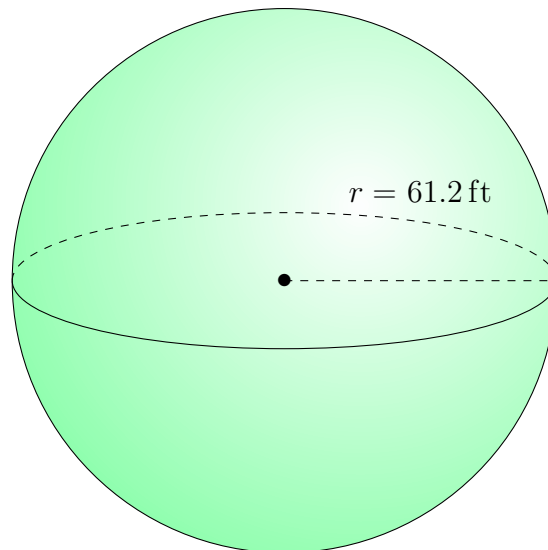
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



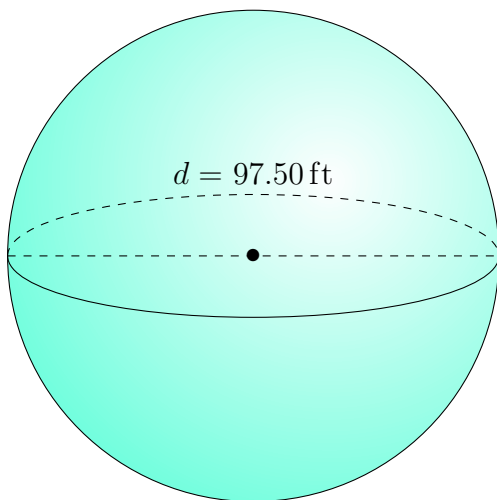
Surface Area: $14,527 \text{ mm}^2$
Volume: $164,636 \text{ mm}^3$

2.



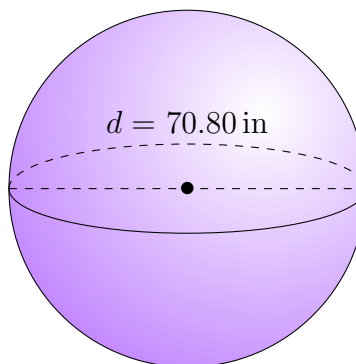
Surface Area: $47,066.6 \text{ ft}^2$
Volume: $960,158.4 \text{ ft}^3$

3.



Surface Area: $29,864.77 \text{ ft}^2$
Volume: $485,302.43 \text{ ft}^3$

4.



Surface Area: $15,747.67 \text{ in}^2$
Volume: $185,822.54 \text{ in}^3$