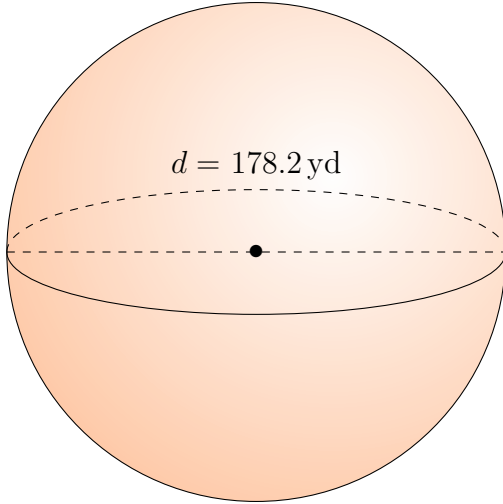


Surface Area and Volume of Spheres (H)

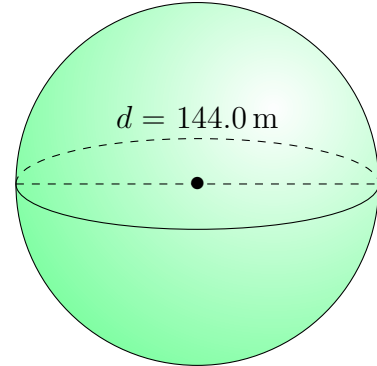
Calculate the surface area and volume for each sphere.

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

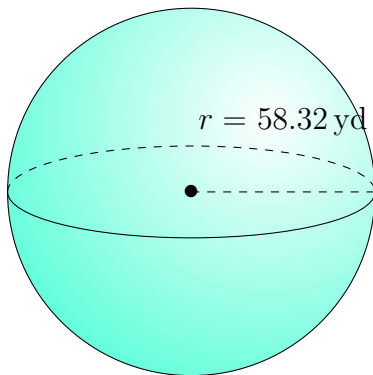
1.



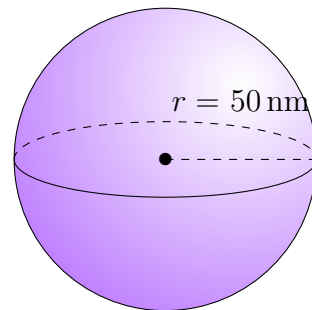
2.



3.



4.

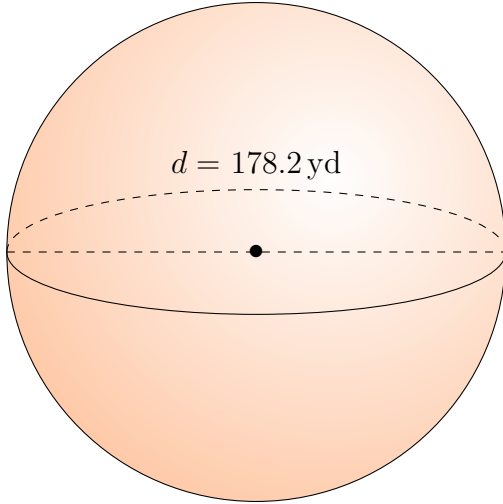


Surface Area and Volume of Spheres (H) Answers

Calculate the surface area and volume for each sphere.

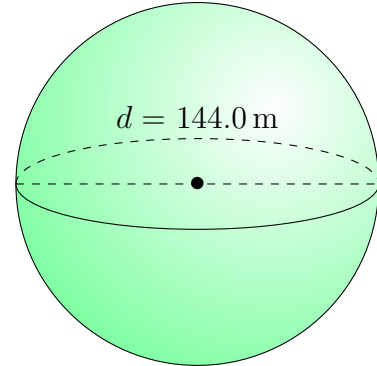
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



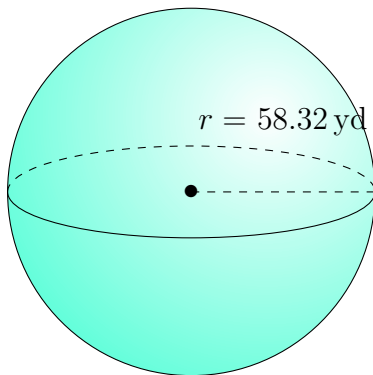
Surface Area: $99,762.0 \text{ yd}^2$
Volume: $2,962,932.3 \text{ yd}^3$

2.



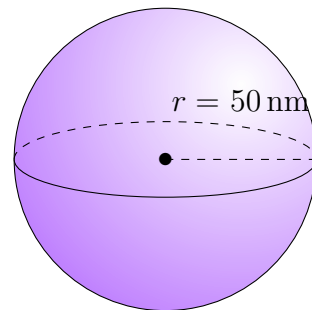
Surface Area: $65,144.1 \text{ m}^2$
Volume: $1,563,457.6 \text{ m}^3$

3.



Surface Area: $42,741.02 \text{ yd}^2$
Volume: $830,885.45 \text{ yd}^3$

4.



Surface Area: $31,416 \text{ nm}^2$
Volume: $523,599 \text{ nm}^3$