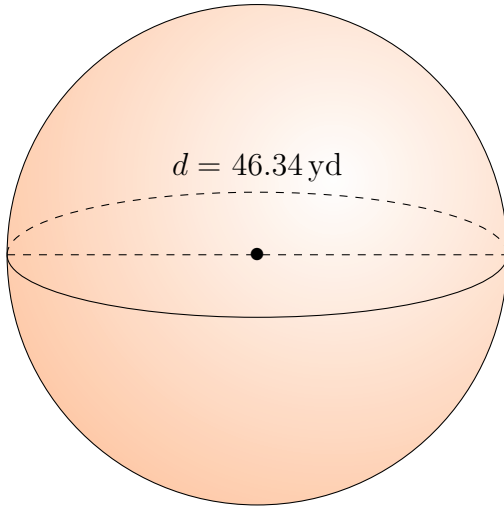


Surface Area and Volume of Spheres (J)

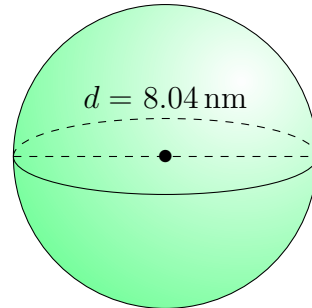
Calculate the surface area and volume for each sphere.

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

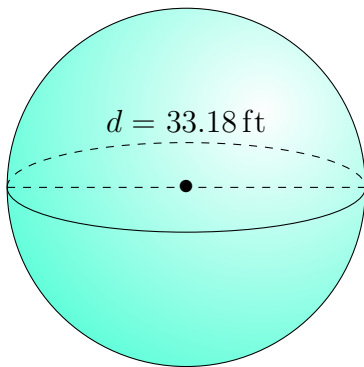
1.



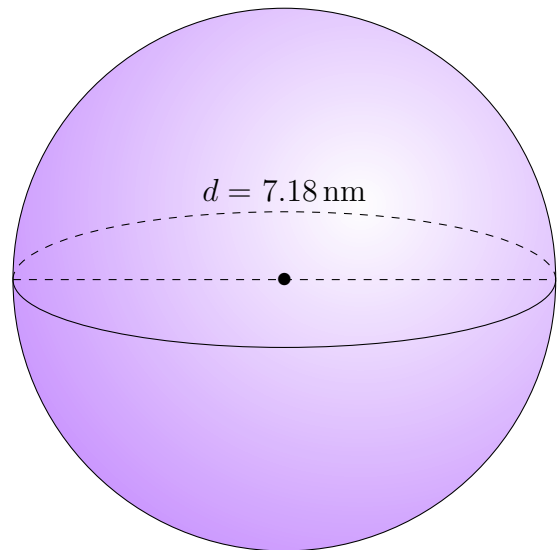
2.



3.



4.

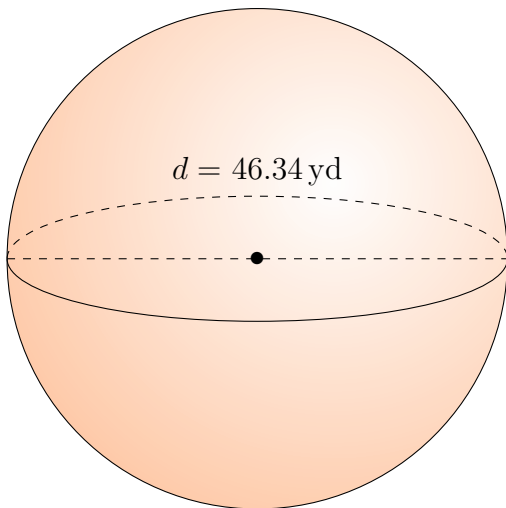


Surface Area and Volume of Spheres (J) Answers

Calculate the surface area and volume for each sphere.

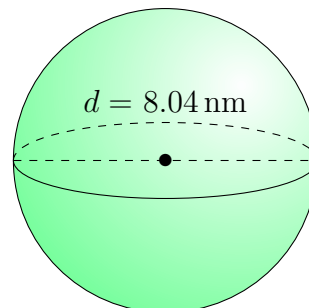
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



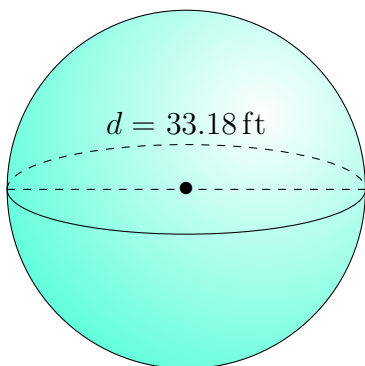
Surface Area: 6746.24 yd^2
Volume: $52,103.48 \text{ yd}^3$

2.



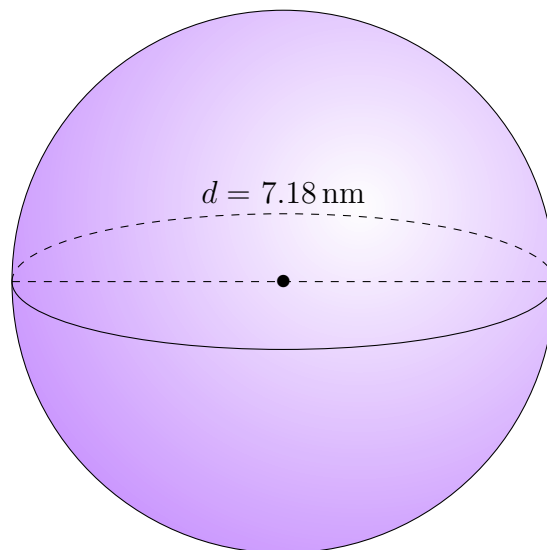
Surface Area: 203.08 nm^2
Volume: 272.12 nm^3

3.



Surface Area: 3458.62 ft^2
Volume: $19,126.16 \text{ ft}^3$

4.



Surface Area: 161.96 nm^2
Volume: 193.81 nm^3