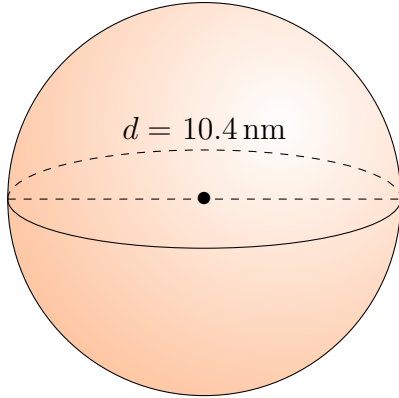


Surface Area and Volume of Spheres (B)

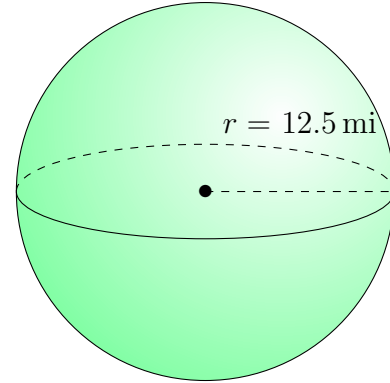
Calculate the surface area and volume for each sphere.

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

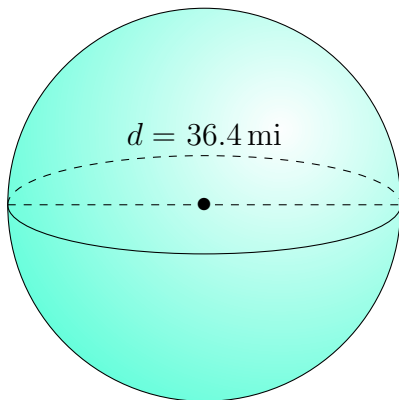
1.



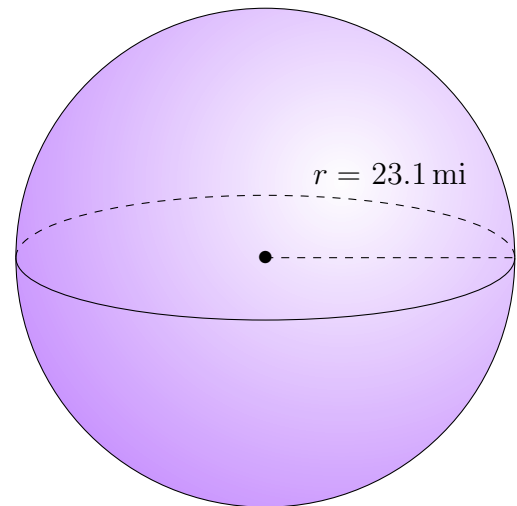
2.



3.



4.

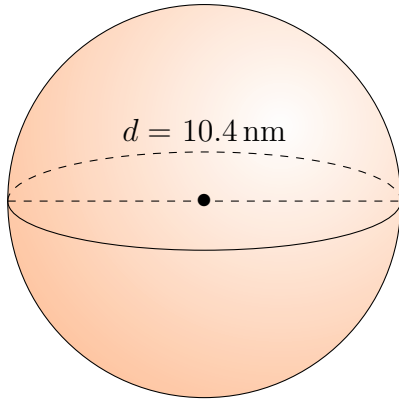


Surface Area and Volume of Spheres (B) Answers

Calculate the surface area and volume for each sphere.

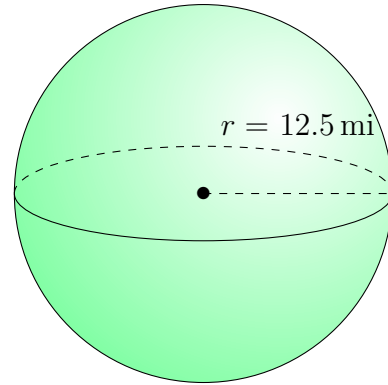
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



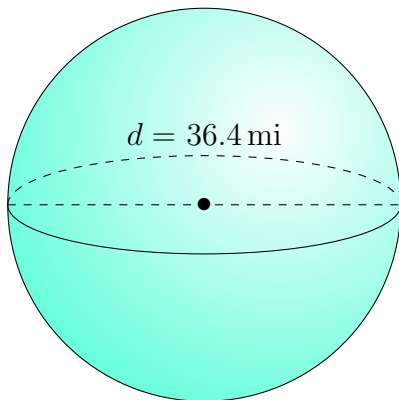
Surface Area: 339.8 nm^2
Volume: 589.0 nm^3

2.



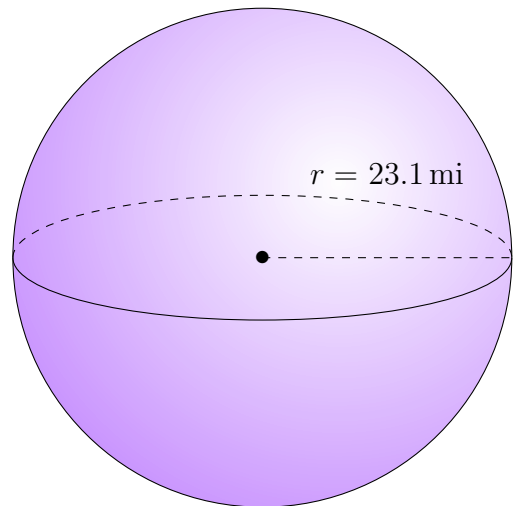
Surface Area: 1963.5 mi^2
Volume: 8181.2 mi^3

3.



Surface Area: 4162.5 mi^2
Volume: $25,252.4 \text{ mi}^3$

4.



Surface Area: 6705.5 mi^2
Volume: $51,632.7 \text{ mi}^3$