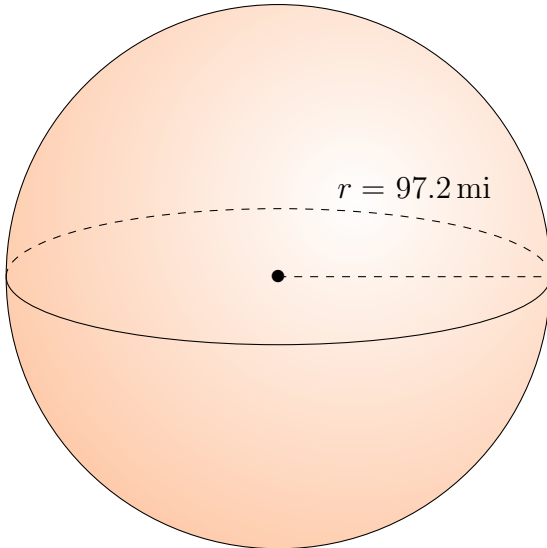


Surface Area and Volume of Spheres (J)

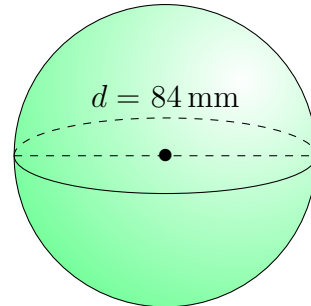
Calculate the surface area and volume for each sphere.

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

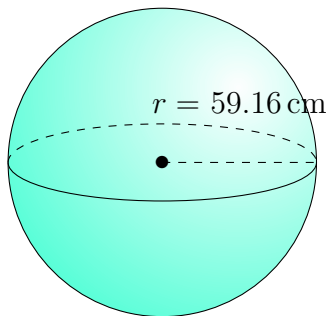
1.



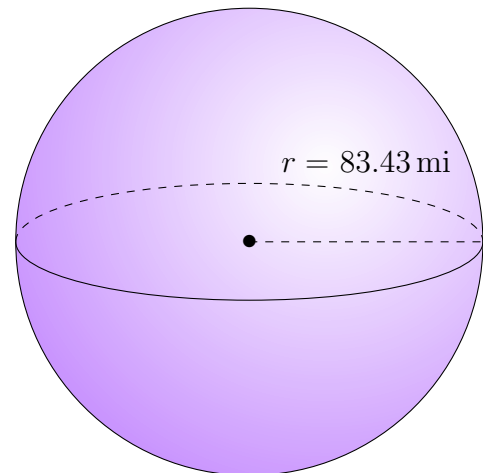
2.



3.



4.

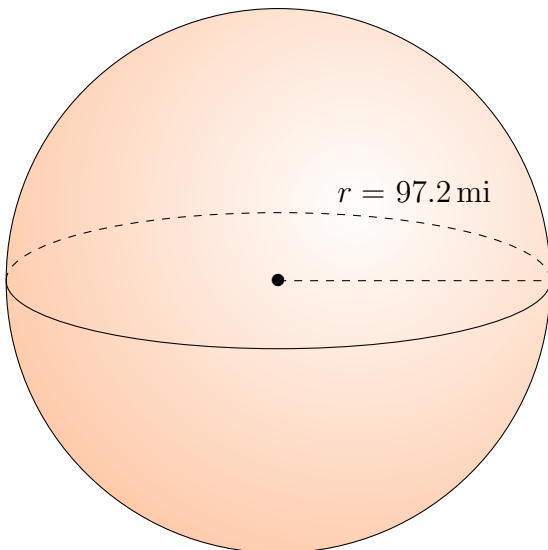


Surface Area and Volume of Spheres (J) Answers

Calculate the surface area and volume for each sphere.

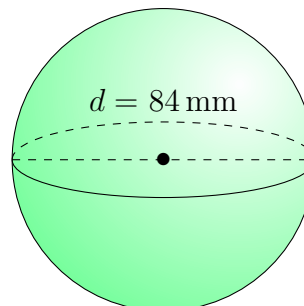
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



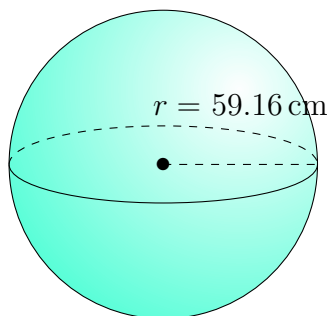
Surface Area: 118,725.1 mi²
Volume: 3,846,691.9 mi³

2.



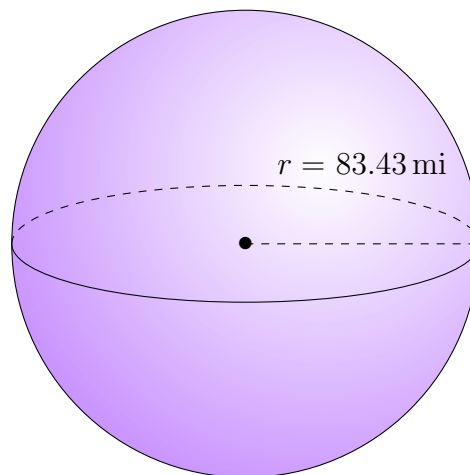
Surface Area: 22,167 mm²
Volume: 310,339 mm³

3.



Surface Area: 43,981.11 cm²
Volume: 867,307.51 cm³

4.



Surface Area: 87,469.04 mi²
Volume: 2,432,513.95 mi³