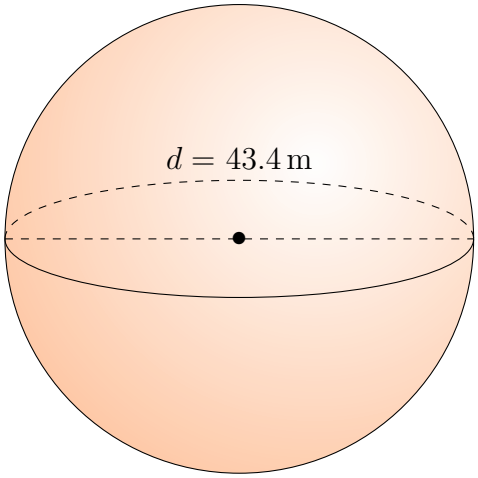
Surface Area and Volume of Spheres (J)

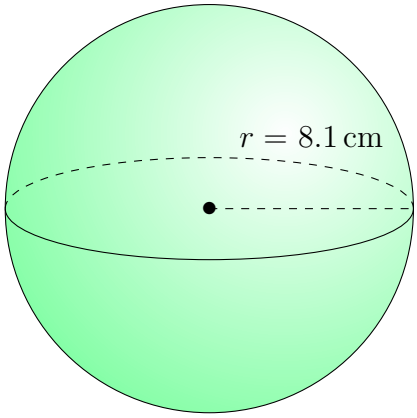
Calculate the surface area and volume for each sphere.

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

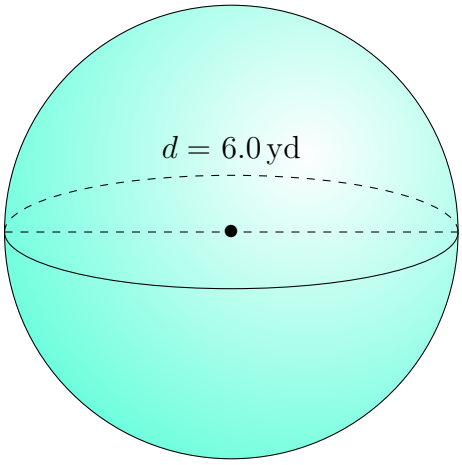
1.



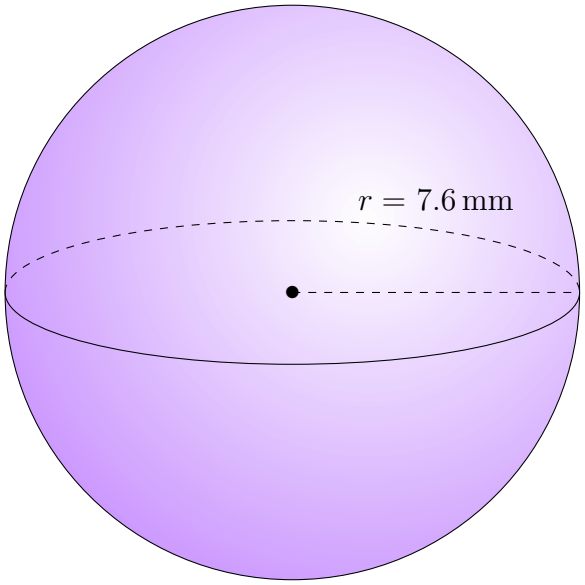
2.



3.



4.

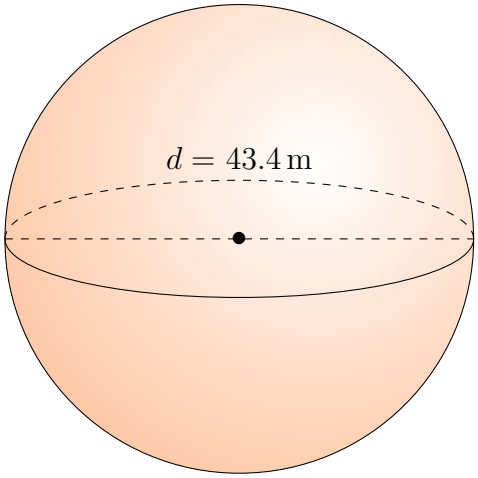


Surface Area and Volume of Spheres (J) Answers

Calculate the surface area and volume for each sphere.

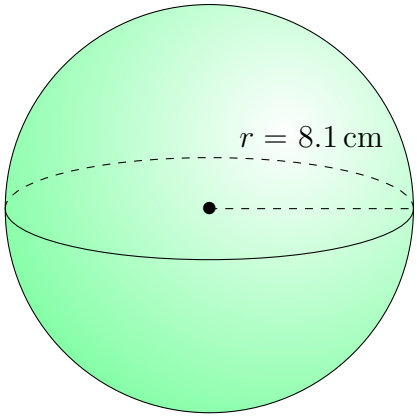
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



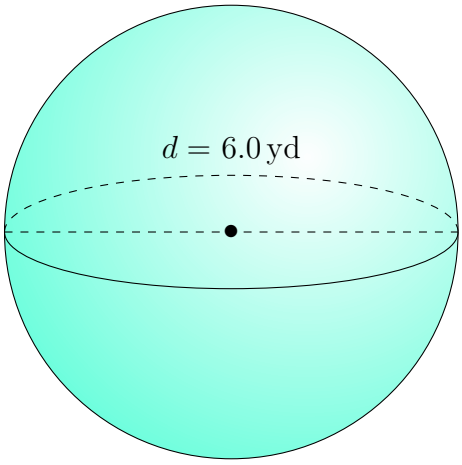
Surface Area: $5917.4\,\text{m}^2$
Volume: $42{,}802.4\,\text{m}^3$

2.



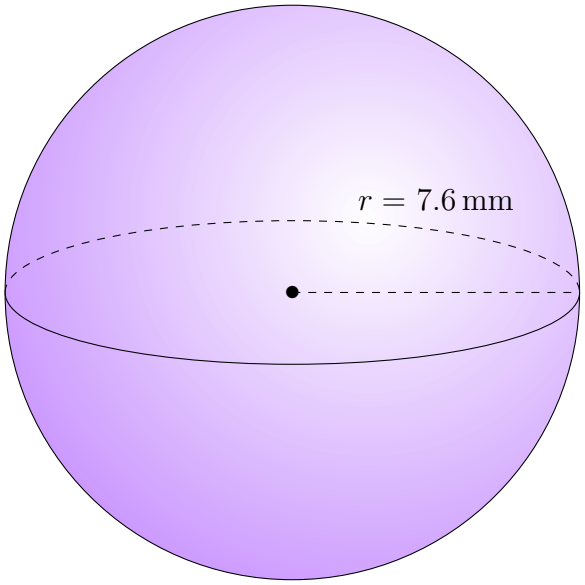
Surface Area: $824.5\,\text{cm}^2$
Volume: $2226.1\,\text{cm}^3$

3.



Surface Area: $113.1\,\text{yd}^2$
Volume: $113.1\,\text{yd}^3$

4.



Surface Area: $725.8\,\text{mm}^2$
Volume: $1838.8\,\text{mm}^3$