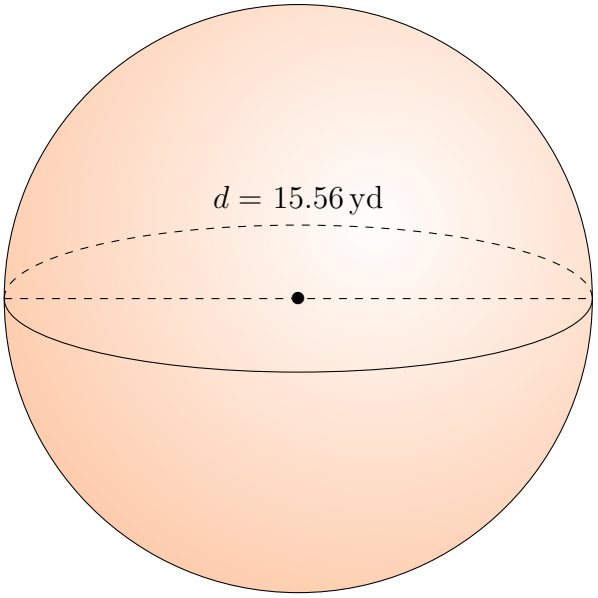
Surface Area and Volume of Spheres (A)

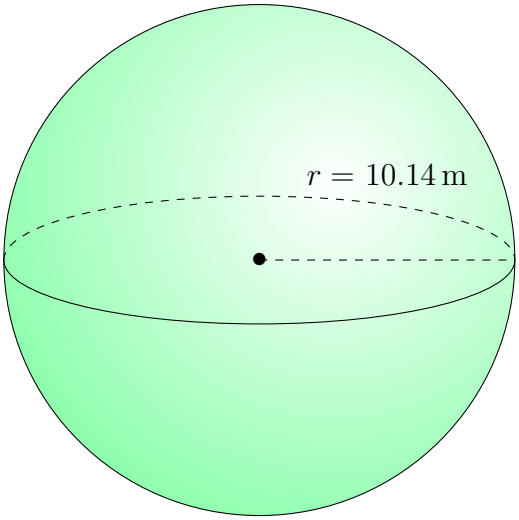
Calculate the surface area and volume for each sphere.

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

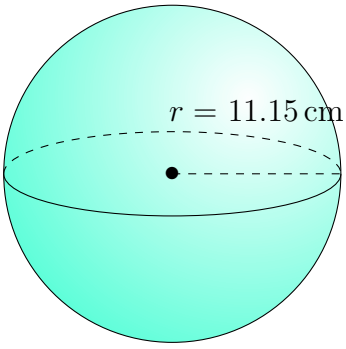
1.



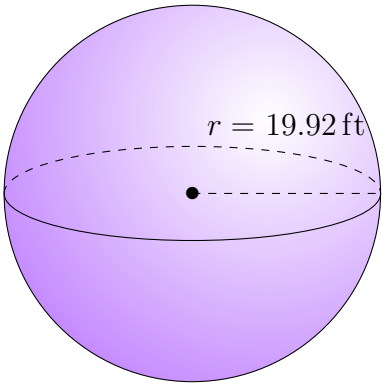
2.



3.



4.

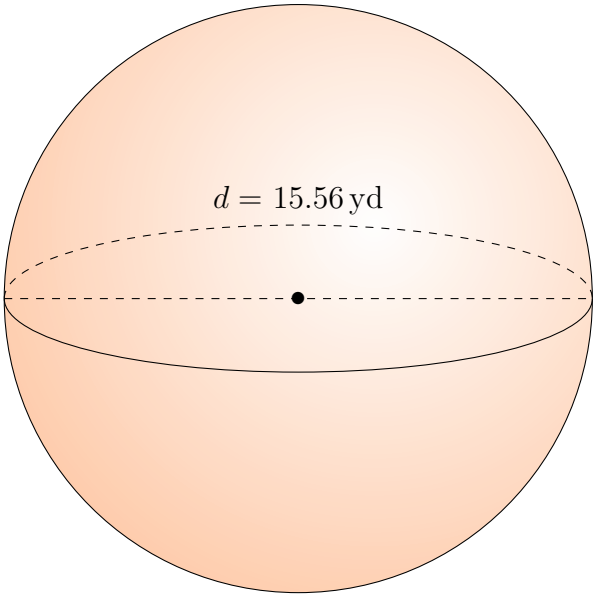


Surface Area and Volume of Spheres (A) Answers

Calculate the surface area and volume for each sphere.

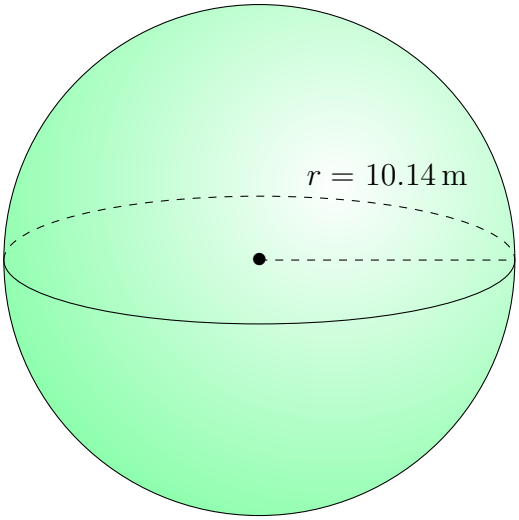
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



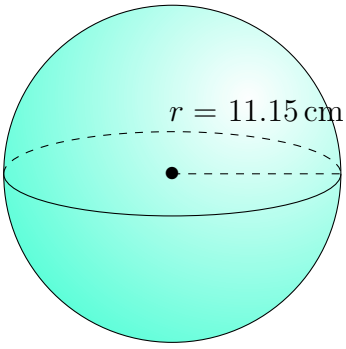
Surface Area: $760.62\,\text{yd}^2$
Volume: $1972.55\,\text{yd}^3$

2.



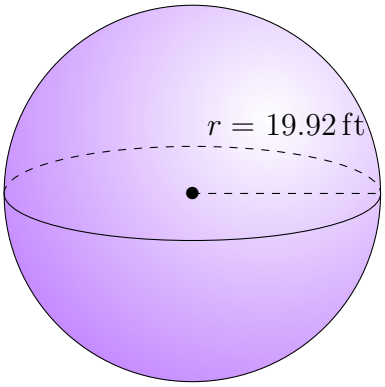
Surface Area: $1292.07\,\text{m}^2$
Volume: $4367.19\,\text{m}^3$

3.



Surface Area: $1562.28\,\text{cm}^2$
Volume: $5806.48\,\text{cm}^3$

4.



Surface Area: $4986.42\,\text{ft}^2$
Volume: $33{,}109.80\,\text{ft}^3$