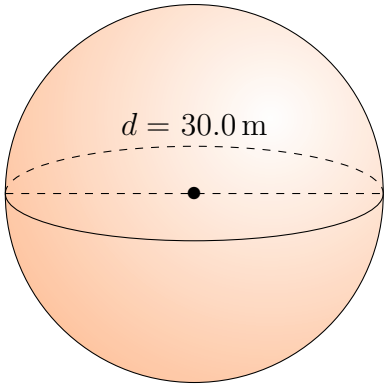
Surface Area and Volume of Spheres (E)

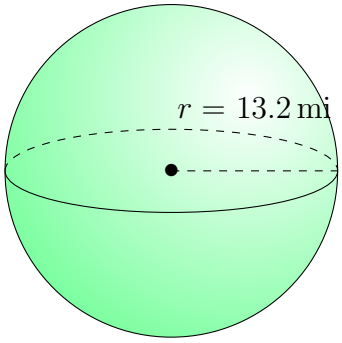
Calculate the surface area and volume for each sphere.

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

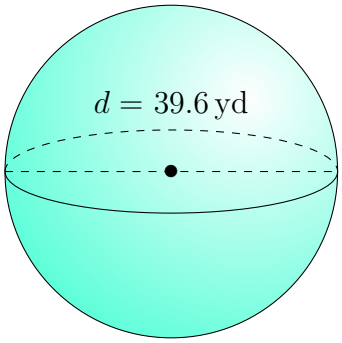
1.



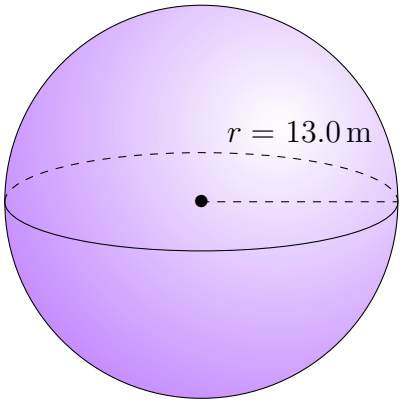
2.



3.



4.

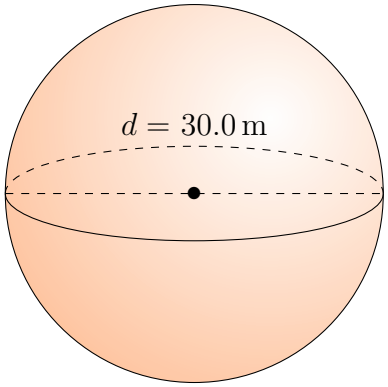


Surface Area and Volume of Spheres (E) Answers

Calculate the surface area and volume for each sphere.

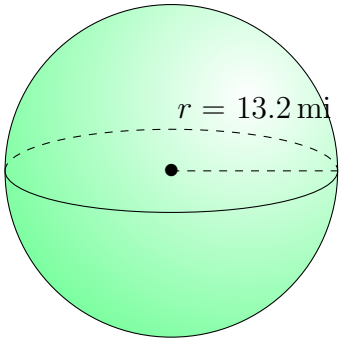
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



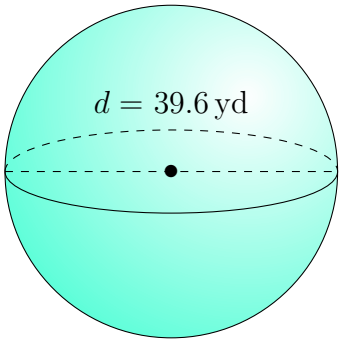
Surface Area: $2827.4\,\text{m}^2$
Volume: $14{,}137.2\,\text{m}^3$

2.



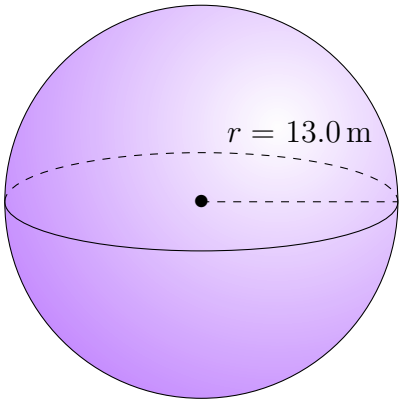
Surface Area: $2189.6\,\text{mi}^2$
Volume: $9634.1\,\text{mi}^3$

3.



Surface Area: $4926.5\,\text{yd}^2$
Volume: $32{,}515.0\,\text{yd}^3$

4.



Surface Area: $2123.7\,\text{m}^2$
Volume: $9202.8\,\text{m}^3$