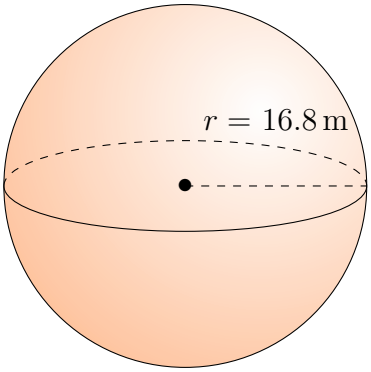
Surface Area and Volume of Spheres (G)

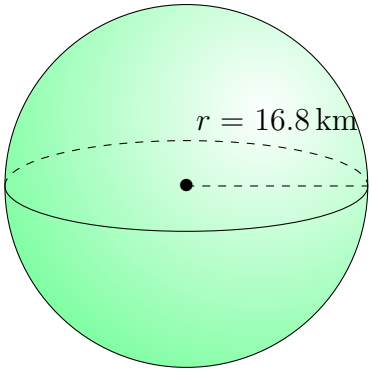
Calculate the surface area and volume for each sphere.

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

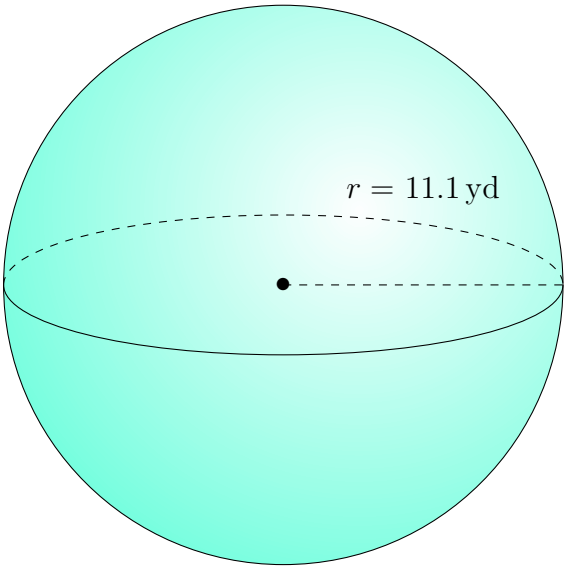
1.



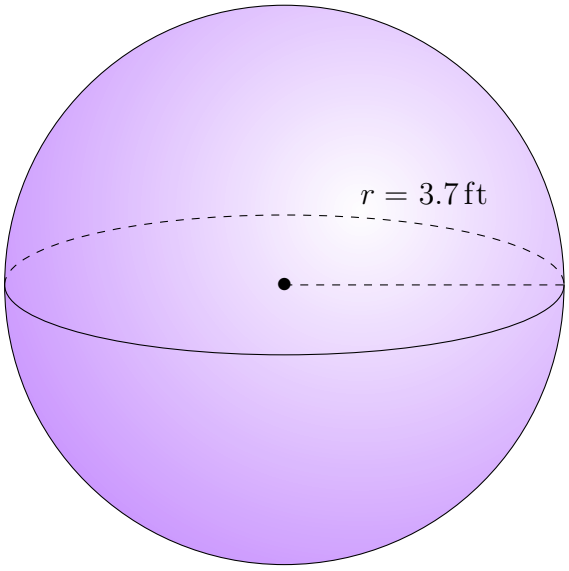
2.



3.



4.

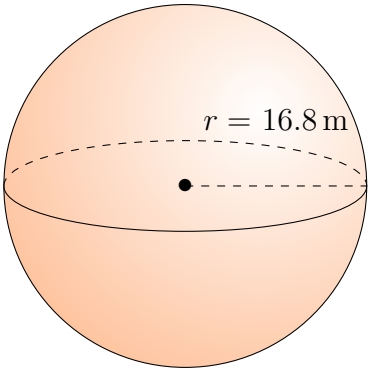


Surface Area and Volume of Spheres (G) Answers

Calculate the surface area and volume for each sphere.

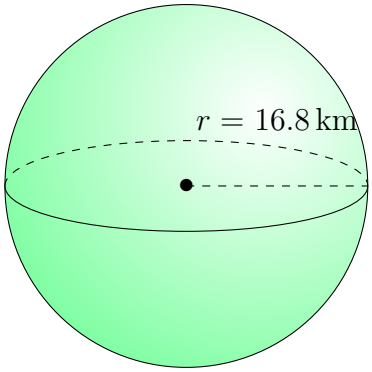
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



Surface Area: $3546.7\,\text{m}^2$
Volume: $19{,}861.7\,\text{m}^3$

2.



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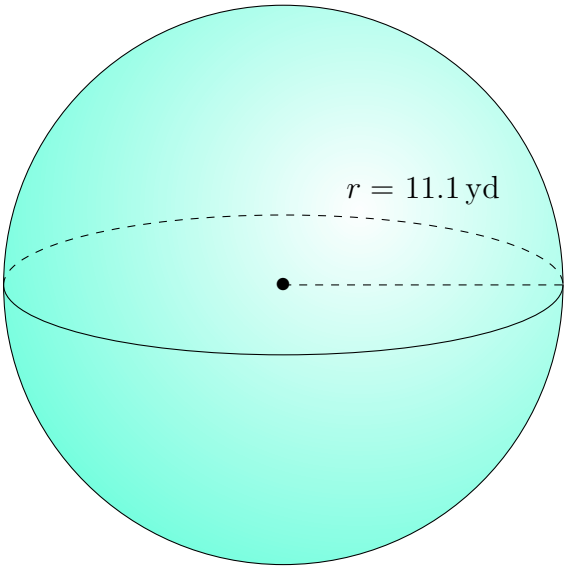
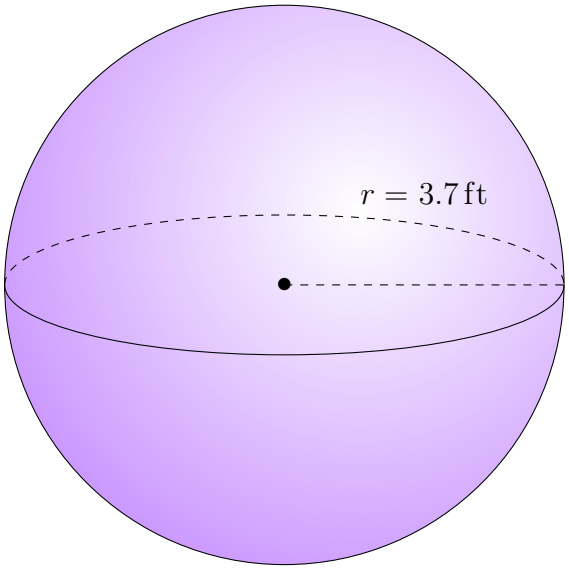


Surface Area: $1548.3\,\text{yd}^2$
Volume: $5728.7\,\text{yd}^3$

4.



Surface Area: $172.0\,\text{ft}^2$
Volume: $212.2\,\text{ft}^3$