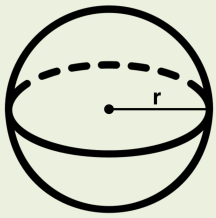
Name: _____

Finding the Volume of a Sphere

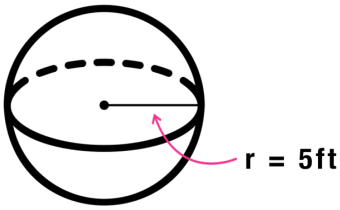
Volume of a Sphere Formula

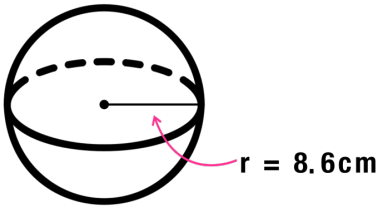
$$V = \frac{4}{3}\pi r^3$$

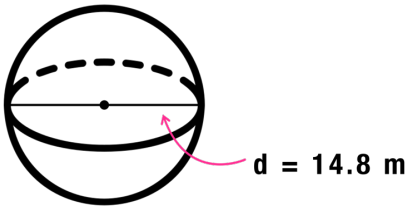


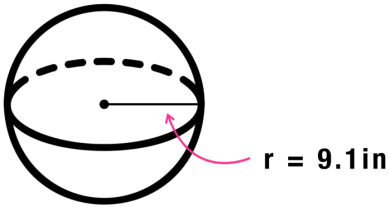
Where ***r*** is the radius of the sphere.

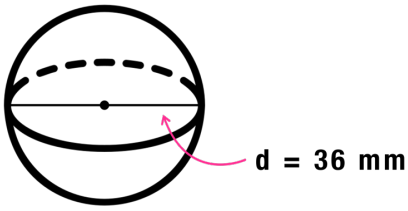
Directions: Find the volume of each sphere and round your answer to the nearest tenth.

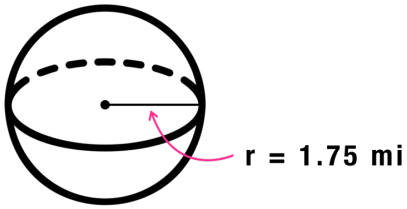
1.) 

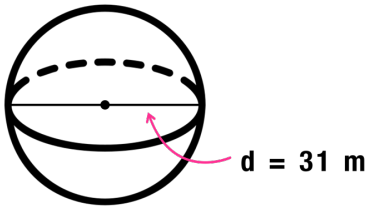
2.) 

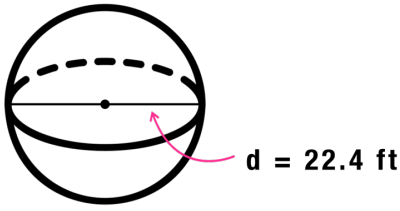
3.) 

4.) 

5.) 

6.) 

7.) 

8.) 

ANSWER KEY

1.) $V = 523.6\ ft^3$
2.) $V = 2,664.3\ cm^3$
3.) $V = 1,697.4\ m^3$
4.) $V = 3,156.6\ in^3$
5.) $V = 24,429.0\ mm^3$
6.) $V = 22.5\ mi^3$
7.) $V = 15,598.5\ m^3$
8.) $V = 5,885.0\ ft^3$