

Name : _____

Volume - Sphere and Hemisphere

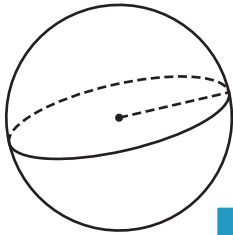
L2S1

A) Find the indicated measure. Round your answer to the nearest tenth.
(use $\pi = 3.14$)

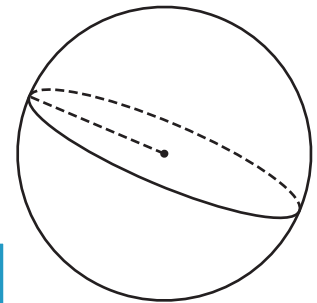
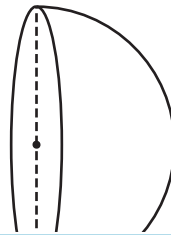
1) Volume = 212.07 in^3

2) Volume = $12,619.8 \text{ ft}^3$

3) Volume = $39,329.26 \text{ yd}^3$



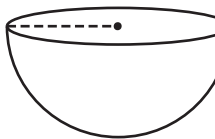
radius = _____



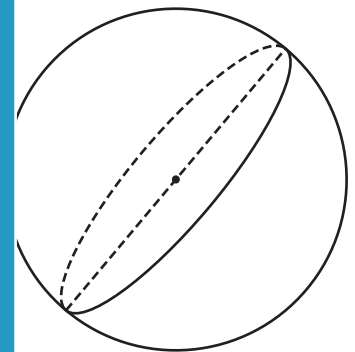
radius = _____

4) Volume = 408.43 yd^3

Volume = $80,588.44 \text{ ft}^3$



radius = _____



diameter = _____

7) The volume of a sphere is $3,141.59 \text{ ft}^3$. Find the radius of the sphere. Round your answer to the nearest tenth.

Find the diameter of the sphere. Round your answer to the nearest tenth.

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8) Determine the diameter of a hemisphere whose volume is $3,101.37 \text{ cubic feet}$. Round your answer to the nearest tenth. (use $\pi = 3.14$)