

Name : _____

Volume - Sphere and Hemisphere

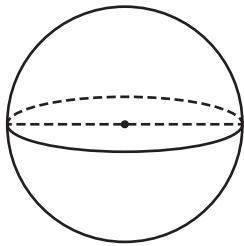
L151

A) Find the indicated measure. Round your answer to the nearest tenth.

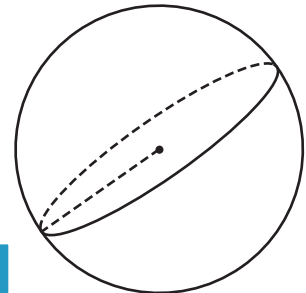
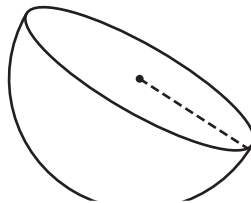
1) Volume = $2,304\pi$ in³

2) Volume = 228.67π ft³

3) Volume = $20,833.33\pi$ yd³



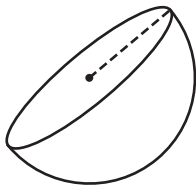
diameter = _____



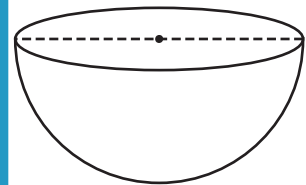
radius = _____

4) Volume = 18π yd³

Volume = $14,634.67\pi$ ft³



radius = _____



diameter = _____

7) Determine the radius
answer to the nearest

ic inches. Round your

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8) The volume of a hemisphere is $18,000\pi$ cubic feet. Find the diameter of the hemisphere.

Name : _____

Answer key

Volume - Sphere and Hemisphere

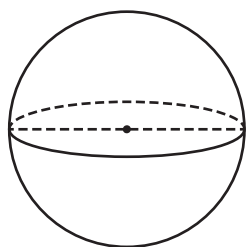
L151

A) Find the indicated measure. Round your answer to the nearest tenth.

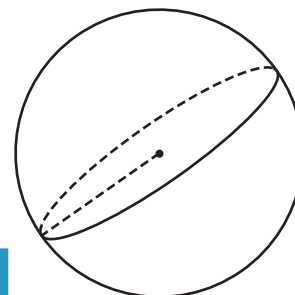
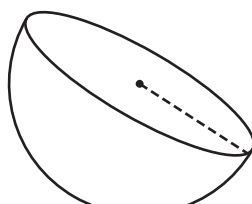
1) Volume = $2,304\pi$ in³

2) Volume = 228.67π ft³

3) Volume = $20,833.33\pi$ yd³



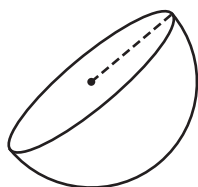
diameter = 24 in



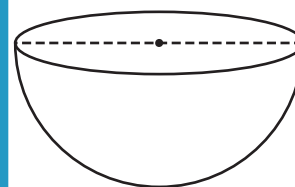
radius = 25 yd

4) Volume = 18π yd³

Volume = $14,634.67\pi$ ft³



radius = 3 yd



diameter = 56 ft

7) Determine the radius
answer to the nearest

ic inches. Round your

14 inches

8) The volume of a hemisphere is $18,000\pi$ cubic feet. Find the diameter of the hemisphere.

60 feet

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