

Name : \_\_\_\_\_

## Volume - Sphere and Hemisphere

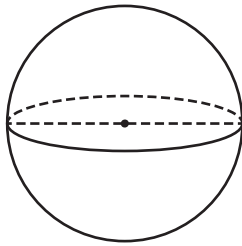
L151

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

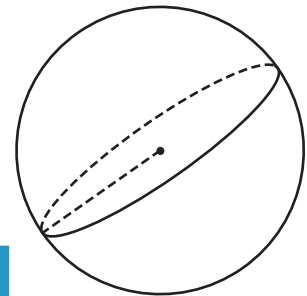
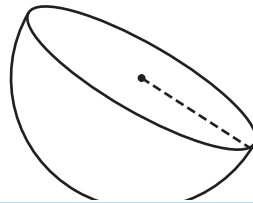
1) Volume =  $2,304\pi$  in<sup>3</sup>

2) Volume =  $228.67\pi$  ft<sup>3</sup>

3) Volume =  $20,833.33\pi$  yd<sup>3</sup>



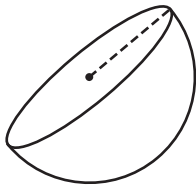
diameter = \_\_\_\_\_



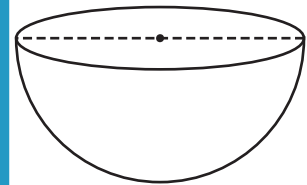
radius = \_\_\_\_\_

4) Volume =  $18\pi$  yd<sup>3</sup>

Volume =  $14,634.67\pi$  ft<sup>3</sup>



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.