

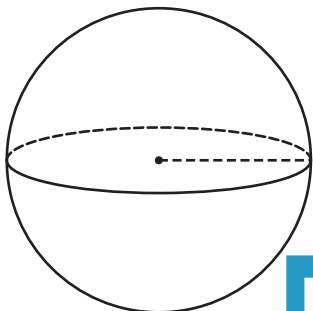
Name : _____

Volume - Sphere and Hemisphere

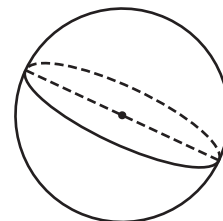
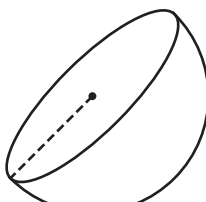
L153

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

- 1) Volume = $14,197.33\pi$ yd³ 2) Volume = $3,275.33\pi$ in³ 3) Volume = 85.33π ft³

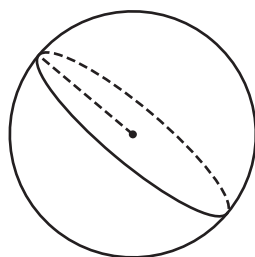


diameter = _____



diameter = _____

- 4) Volume = $9,145.33\pi$



radius = _____

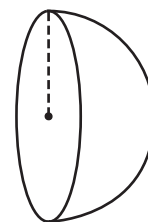
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Volume = 666.67π in³



radius = _____

- 7) Find the radius of a sphere with a volume of $1,048.58\pi$ in³. Round your answer to the nearest tenth.

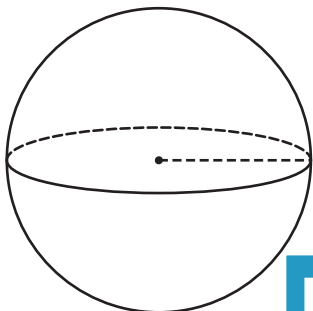
Find the radius of a sphere with a volume of $1,048.58\pi$ in³. Round your answer to the nearest tenth.

- 8) The volume of a hemisphere is 83.33π cubic inches. Determine the radius of the hemisphere. Round your answer to the nearest tenth.

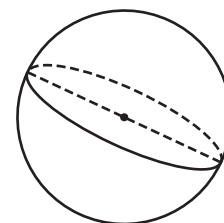
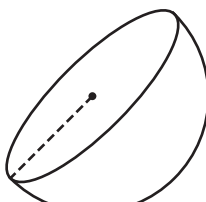
Volume - Sphere and Hemisphere

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

- 1) Volume = $14,197.33\pi$ yd³ 2) Volume = $3,275.33\pi$ in³ 3) Volume = 85.33π ft³



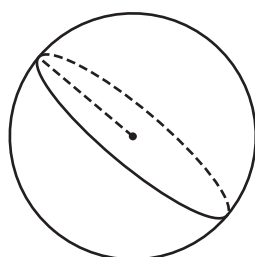
diameter = 44 yd



diameter = 8 ft

- 4) Volume = $9,145.33\pi$

Volume = 666.67π in³



radius = 19 ft



radius = 10 in

- 7) Find the radius of a sphere with a volume of $1,471.68\pi$ cubic yards. Round your answer to the nearest tenth.

Find the radius of a hemisphere with a volume of $1,047.2\pi$ cubic inches. Round your answer to the nearest tenth.

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58 yards

- 8) The volume of a hemisphere is 83.33π cubic inches. Determine the radius of the hemisphere. Round your answer to the nearest tenth.

5 inches