

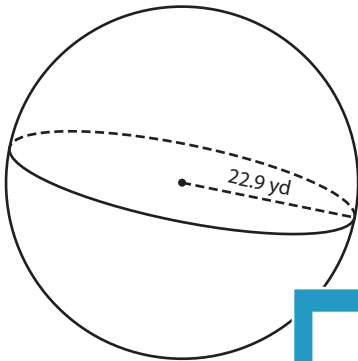
Name : \_\_\_\_\_

Decimals: S2

## Volume - Sphere and Hemisphere

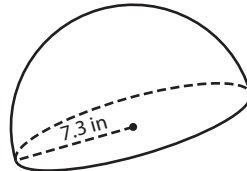
A) Find the volume of each sphere and hemisphere. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



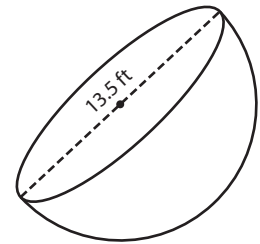
Volume = \_\_\_\_\_

2)

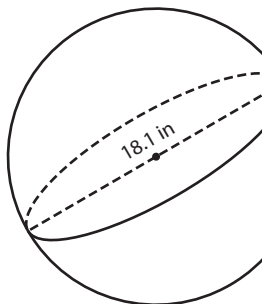


Volume = \_\_\_\_\_

3)



4)



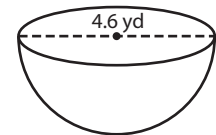
Volume = \_\_\_\_\_

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Volume = \_\_\_\_\_

7) Find the volume of a sphere whose diameter is 12.5 inches. Round your answer to two decimal places. (use  $\pi = 3.14$ )

Find your answer to two decimal places. (use  $\pi = 3.14$ )

\_\_\_\_\_

8) Determine the volume of a sphere whose diameter is 26.2 inches. Round your answer to two decimal places. (use  $\pi = 3.14$ )

\_\_\_\_\_

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

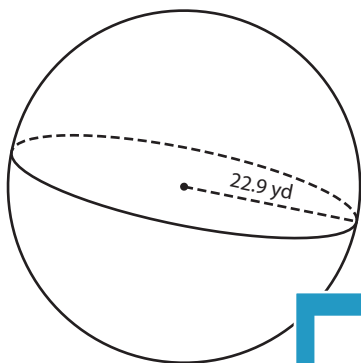
## Answer key

Decimals: S2

### Volume - Sphere and Hemisphere

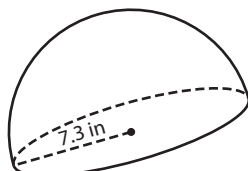
A) Find the volume of each sphere and hemisphere. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



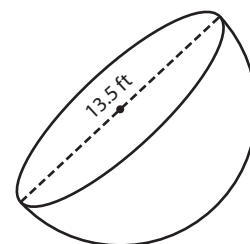
Volume = 50,277.6

2)

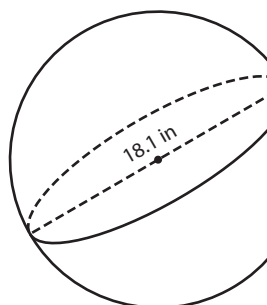


Volume = 643.8 ft<sup>3</sup>

3)



4)



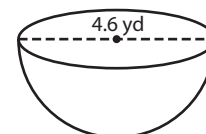
Volume = 3,103.2

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Volume = 25.47 yd<sup>3</sup>

7) Find the volume of a sphere whose diameter is 26.2 inches. Round your answer to two decimal places. (use  $\pi = 3.14$ )

Round your answer to two

3,101.37 cubic yards

8) Determine the volume of a sphere whose diameter is 26.2 inches. Round your answer to two decimal places. (use  $\pi = 3.14$ )

9,412.01 cubic inches