

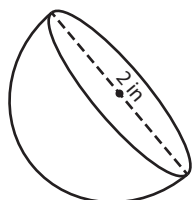
Name : \_\_\_\_\_

## Volume - Sphere and Hemisphere

Integers: S1

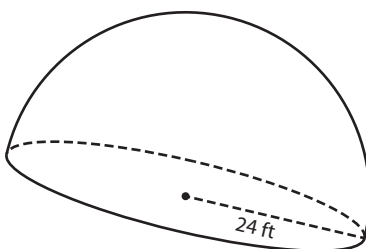
A) Find the volume of each sphere and hemisphere. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



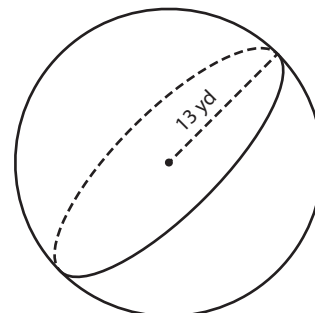
Volume = \_\_\_\_\_

2)



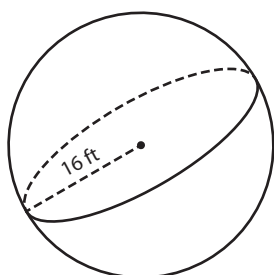
Volume = \_\_\_\_\_

3)



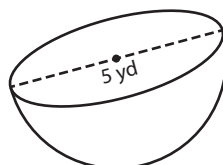
Volume = \_\_\_\_\_

4)



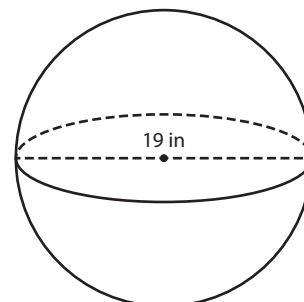
Volume = \_\_\_\_\_

5)



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

6)



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

7) Determine the volume of a hemisphere whose radius is 21 inches. (use  $\pi = 3.14$ )

\_\_\_\_\_

8) The diameter of a sphere is 8 feet. Find the volume of the sphere. Round your answer to two decimal places. (use  $\pi = 3.14$ )

\_\_\_\_\_

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

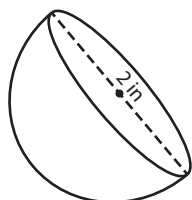
## Answer key

### Volume - Sphere and Hemisphere

Integers: S1

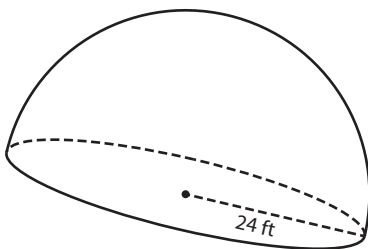
A) Find the volume of each sphere and hemisphere. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



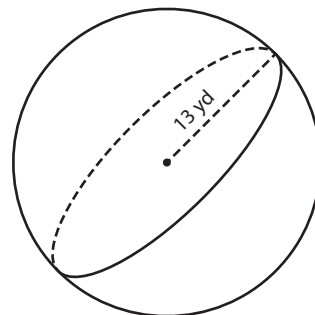
Volume = 2.09 in<sup>3</sup>

2)



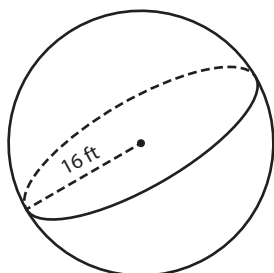
Volume = 28,938.24 ft<sup>3</sup>

3)



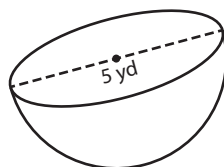
Volume = 9,198.11 yd<sup>3</sup>

4)



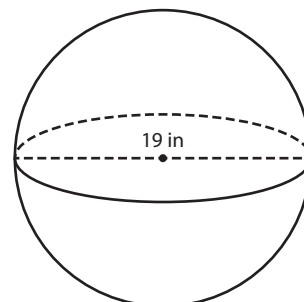
Volume = 17,148.59 ft<sup>3</sup>

5)



Volume = 32.71 yd<sup>3</sup>

6)



Volume = 3,589.54 in<sup>3</sup>

7) Determine the volume of a hemisphere whose radius is 21 inches. (use  $\pi = 3.14$ )

19,386.36 cubic inches

8) The diameter of a sphere is 8 feet. Find the volume of the sphere. Round your answer to two decimal places. (use  $\pi = 3.14$ )

267.95 cubic feet