

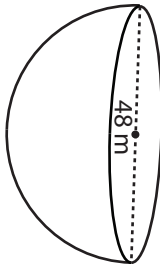
Name : \_\_\_\_\_

Score : \_\_\_\_\_

### Volume - Sphere & Hemisphere

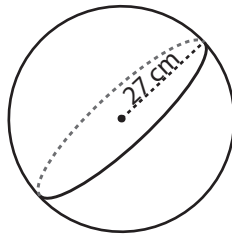
Find the exact volume of each shape.

1)



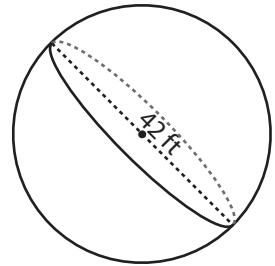
Volume = \_\_\_\_\_

2)



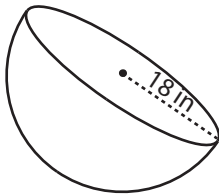
Volume = \_\_\_\_\_

3)



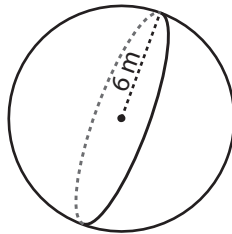
Volume = \_\_\_\_\_

4)



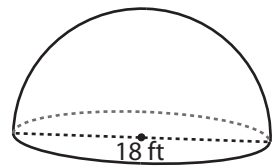
Volume = \_\_\_\_\_

5)



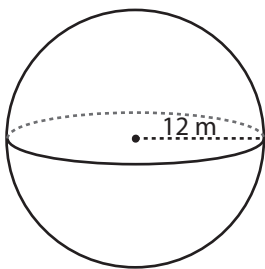
Volume = \_\_\_\_\_

6)



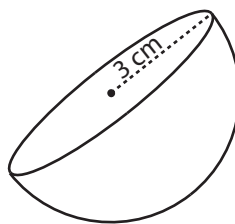
Volume = \_\_\_\_\_

7)



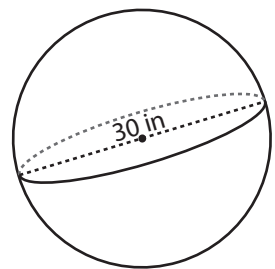
Volume = \_\_\_\_\_

8)



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

9)



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

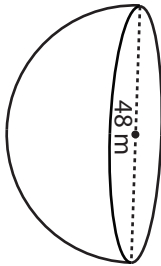
10) Find the volume of air in a beach ball that has a diameter of 18 centimeter.

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

**Answer Key**

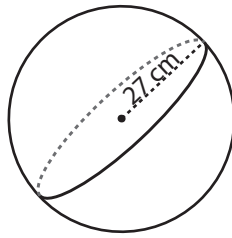
Find the exact volume of each shape.

1)



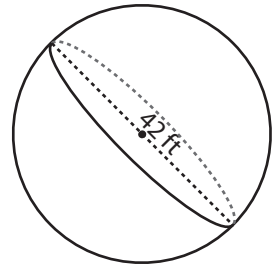
Volume =  $9216\pi \text{ m}^3$

2)



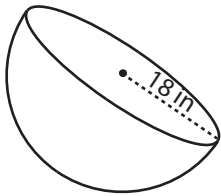
Volume =  $26244\pi \text{ cm}^3$

3)



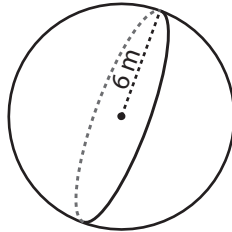
Volume =  $12348\pi \text{ ft}^3$

4)



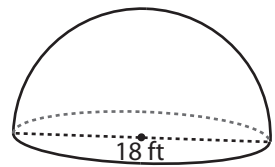
Volume =  $3888\pi \text{ m}^3$

5)



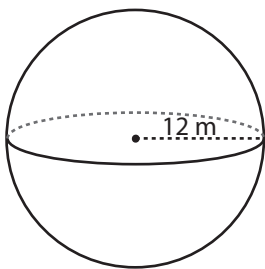
Volume =  $288\pi \text{ m}^3$

6)



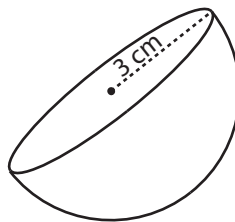
Volume =  $486\pi \text{ ft}^3$

7)



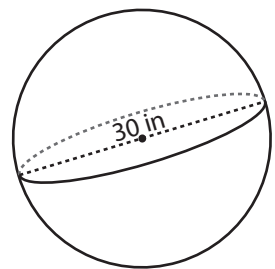
Volume =  $2304\pi \text{ m}^3$

8)



Volume =  $18\pi \text{ cm}^3$

9)



Volume =  $4500\pi \text{ in}^3$

10) Find the volume of air in a beach ball that has a diameter of 18 centimeter.

Volume =  $972\pi \text{ cm}^3$