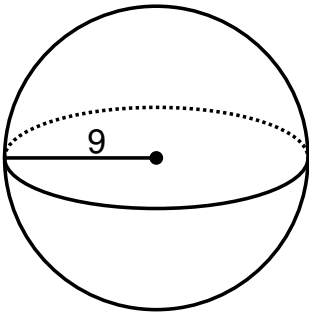


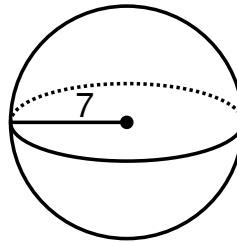
Volume of a Sphere

Find the Volume of each sphere.

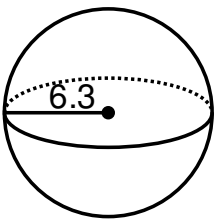
1)



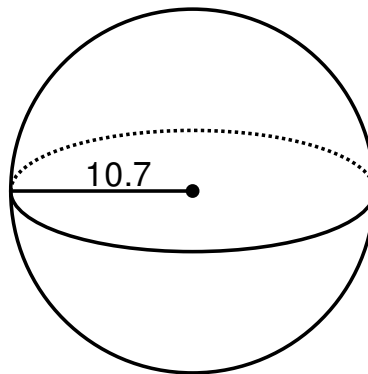
2)



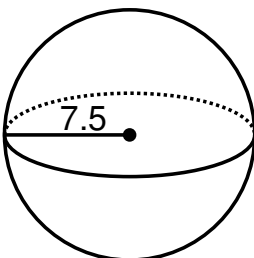
3)



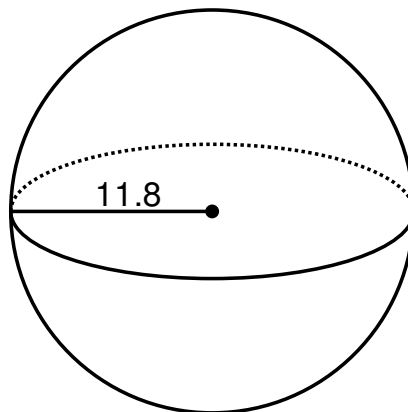
4)



5)

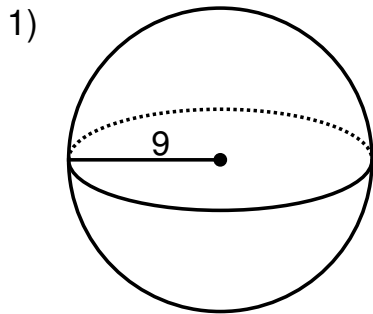


6)

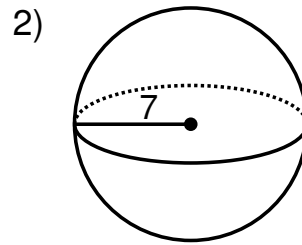


Volume of a Sphere

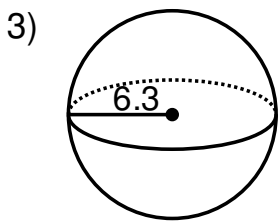
Find the Volume of each sphere.



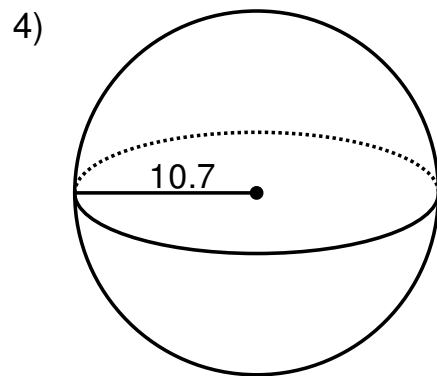
Answer: 3,052.08



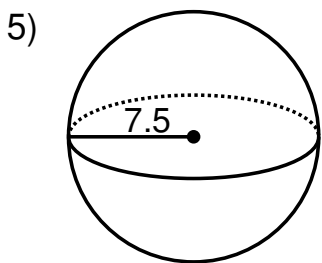
Answer: 1,436.03



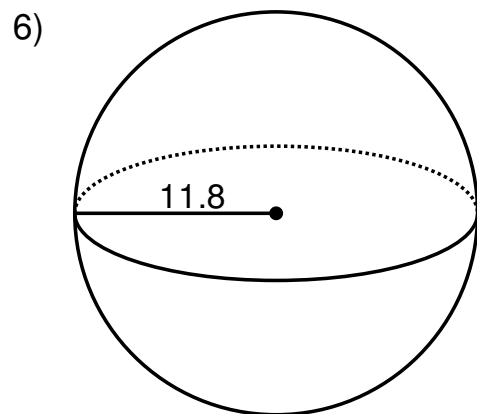
Answer: 1,046.86



Answer: 5,128.85



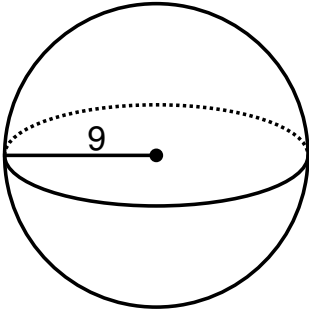
Answer: 1,766.25



Answer: 6,878.83

Solution Steps

1)



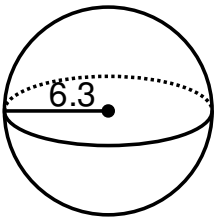
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 9^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 729$$

$$\text{Volume} = 3,052.08$$

3)



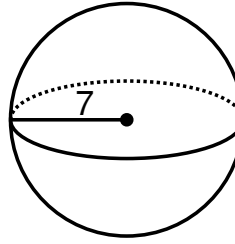
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (6.3)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 250.05$$

$$\text{Volume} = 1,046.86$$

2)



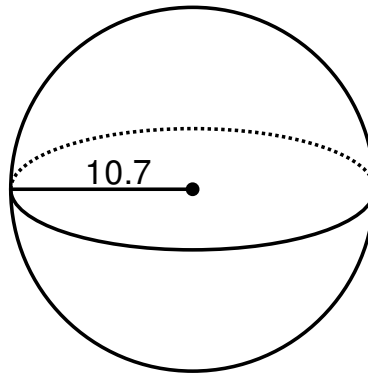
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 7^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 343$$

$$\text{Volume} = 1,436.03$$

4)



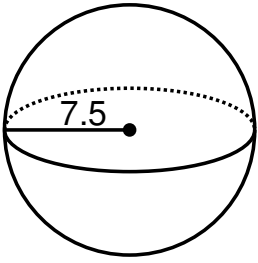
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (10.7)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 1,225.04$$

$$\text{Volume} = 5,128.85$$

5)



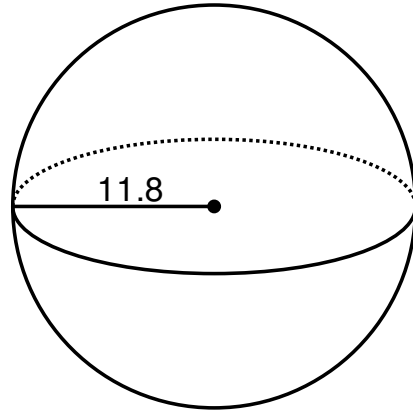
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (7.5)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 421.88$$

$$\text{Volume} = 1,766.25$$

6)



$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (11.8)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 1,643.03$$

$$\text{Volume} = 6,878.83$$