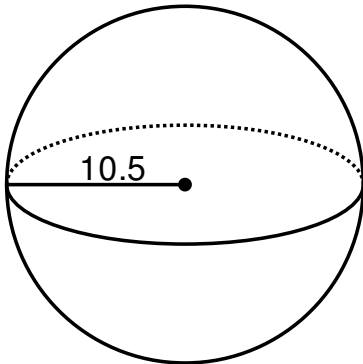


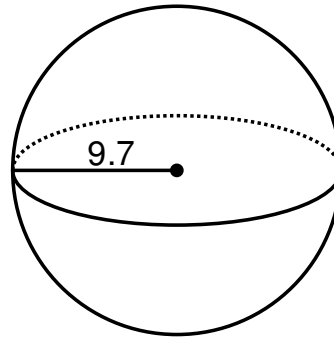
Volume of a Sphere

Find the Volume of each sphere.

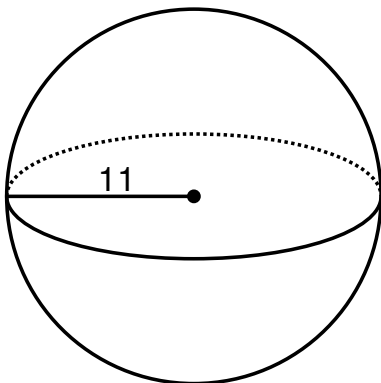
1)



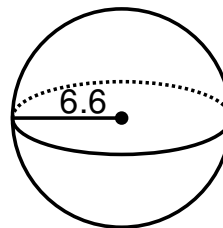
2)



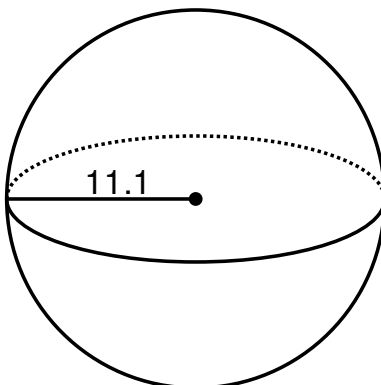
3)



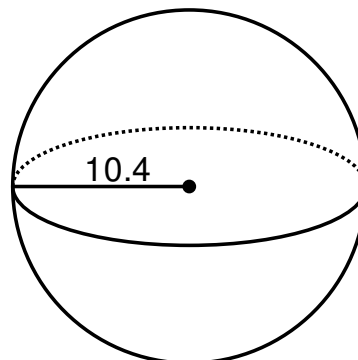
4)



5)



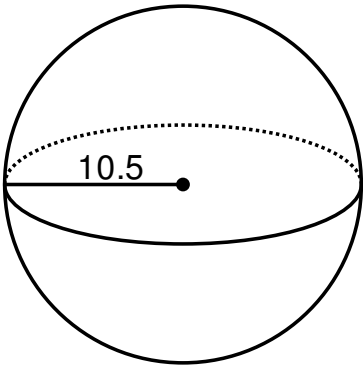
6)



Volume of a Sphere

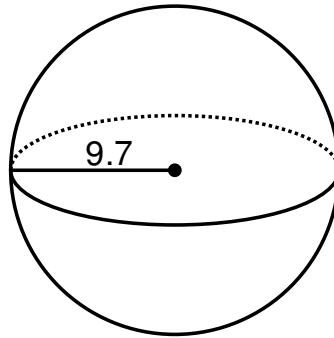
Find the Volume of each sphere.

1)



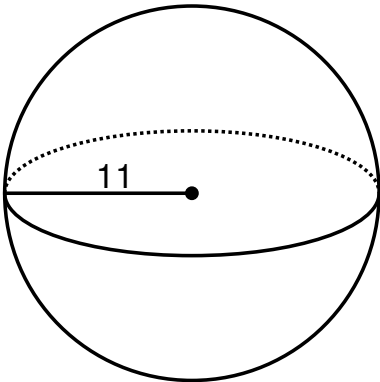
Answer: 4,846.59

2)



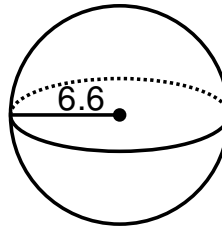
Answer: 3,821.06

3)



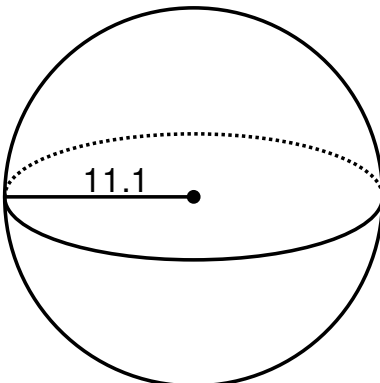
Answer: 5,572.45

4)



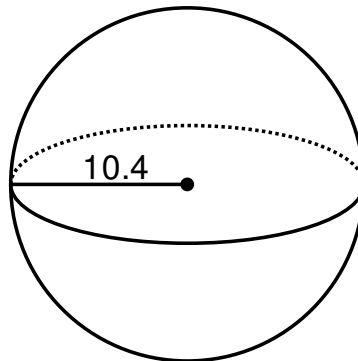
Answer: 1,203.65

5)



Answer: 5,725.82

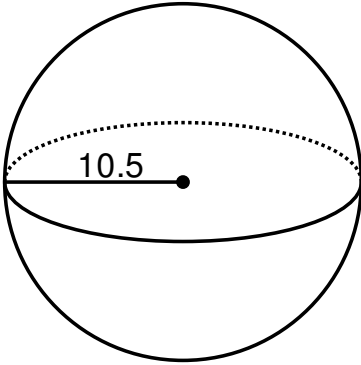
6)



Answer: 4,709.43

Solution Steps

1)



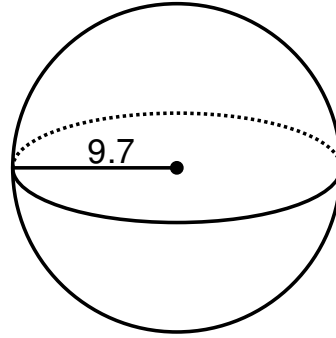
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (10.5)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 1,157.63$$

$$\text{Volume} = 4,846.59$$

2)



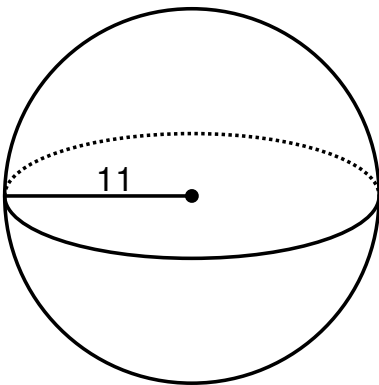
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (9.7)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 912.67$$

$$\text{Volume} = 3,821.06$$

3)



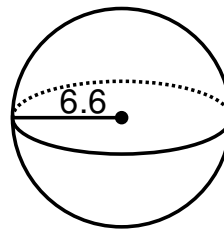
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (11)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 1,331$$

$$\text{Volume} = 5,572.45$$

4)



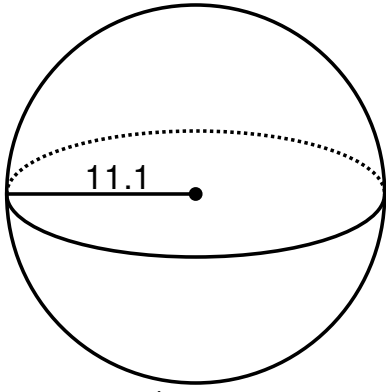
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (6.6)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 287.5$$

$$\text{Volume} = 1,203.65$$

5)



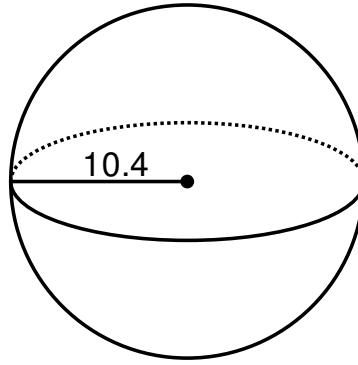
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (11.1)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 1,367.63$$

$$\text{Volume} = 5,725.82$$

6)



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

$$\text{Volume} = \frac{4}{3} * \pi * (10.4)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 1,124.86$$

$$\text{Volume} = 4,709.43$$