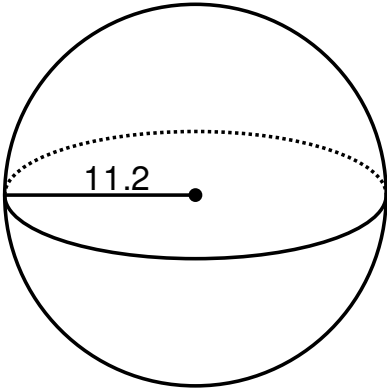


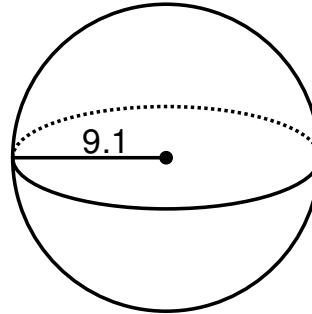
Volume of a Sphere

Find the Volume of each sphere.

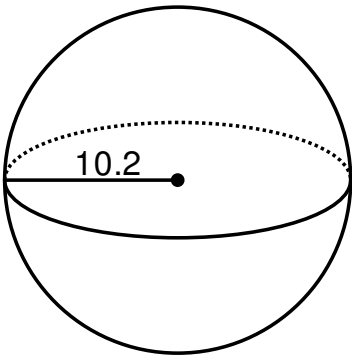
1)



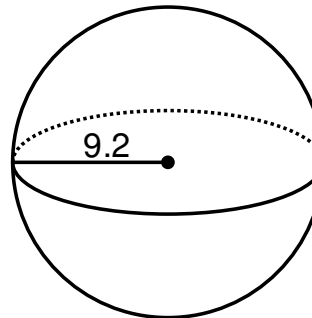
2)



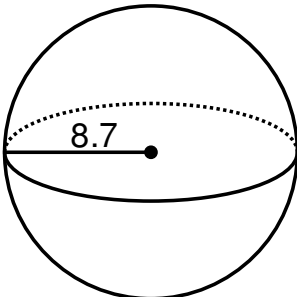
3)



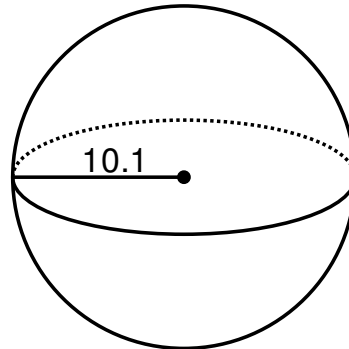
4)



5)



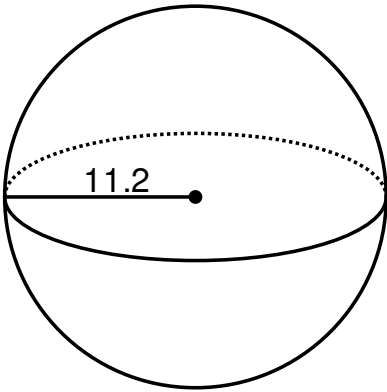
6)



Volume of a Sphere

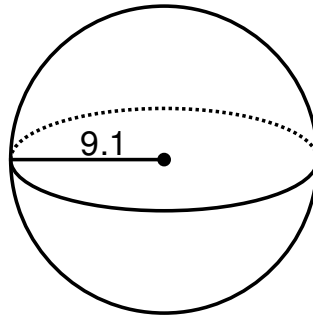
Find the Volume of each sphere.

1)



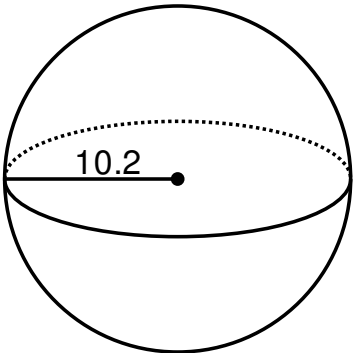
Answer: 5,881.97

2)



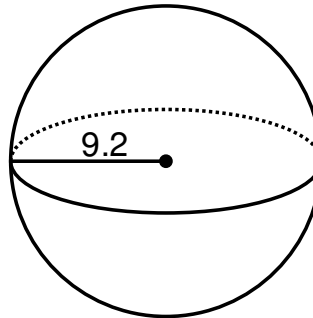
Answer: 3,154.95

3)



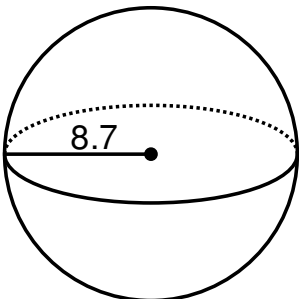
Answer: 4,442.92

4)



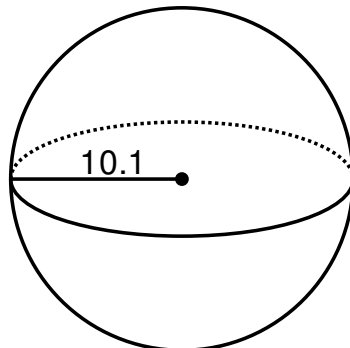
Answer: 3,260.11

5)



Answer: 2,756.93

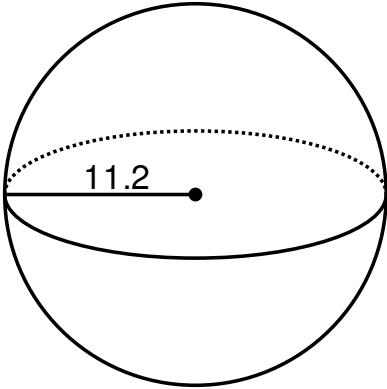
6)



Answer: 4,313.53

Solution Steps

1)



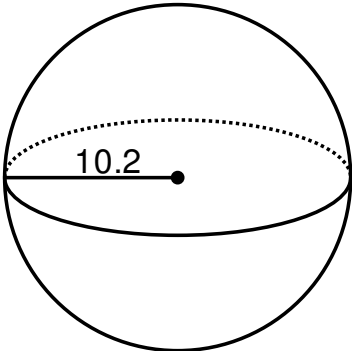
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (11.2)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 1,404.93$$

$$\text{Volume} = 5,881.97$$

3)



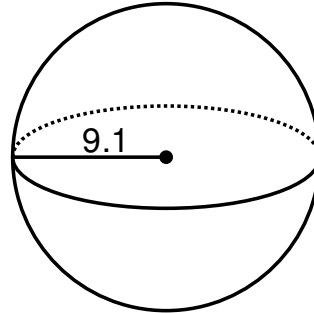
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (10.2)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 1,061.21$$

$$\text{Volume} = 4,442.92$$

2)



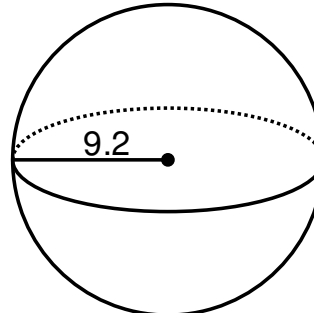
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (9.1)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 753.57$$

$$\text{Volume} = 3,154.95$$

4)



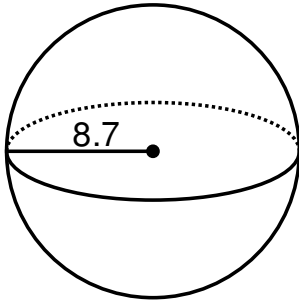
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (9.2)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 778.69$$

$$\text{Volume} = 3,260.11$$

5)



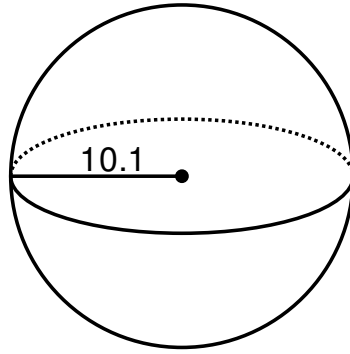
$$\text{Volume} = \frac{4}{3} * \pi * r^3$$

$$\text{Volume} = \frac{4}{3} * \pi * (8.7)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 658.5$$

$$\text{Volume} = 2,756.93$$

6)



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

$$\text{Volume} = \frac{4}{3} * \pi * (10.1)^3$$

$$\text{Volume} = \frac{4}{3} * \pi * 1,030.3$$

$$\text{Volume} = 4,313.53$$