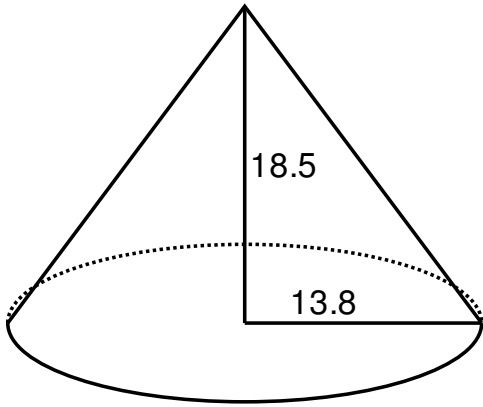


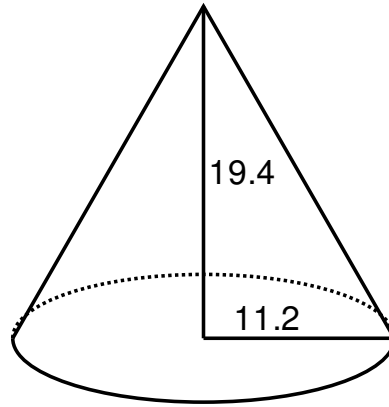
Volume of a Cone

Find the Volume of each cone.

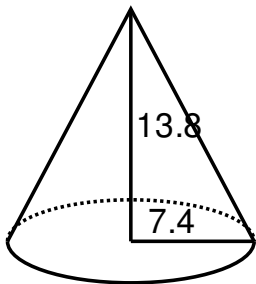
1)



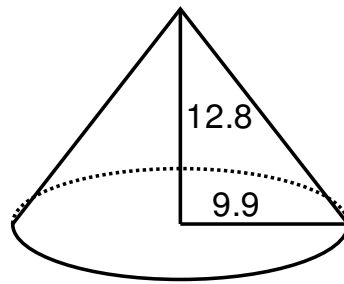
2)



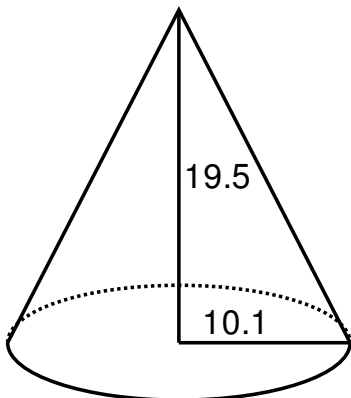
3)



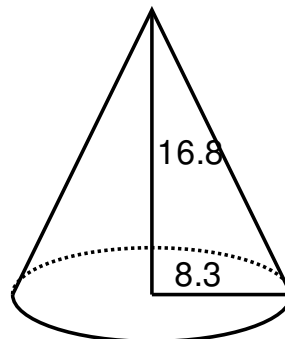
4)



5)



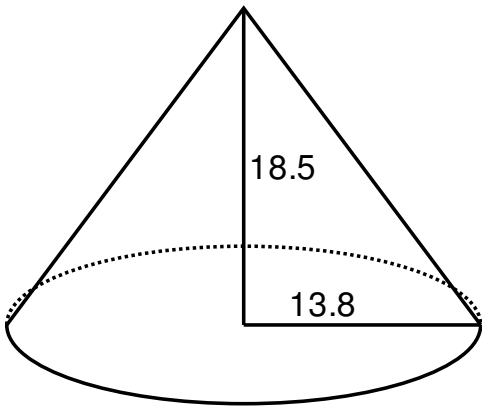
6)



Volume of a Cone

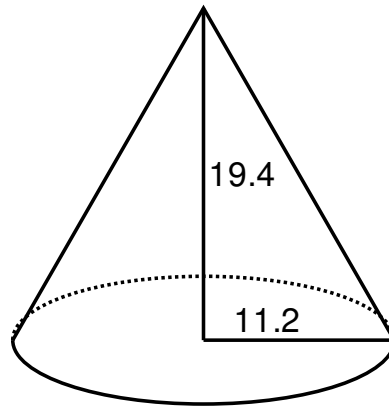
Find the Volume of each cone.

1)



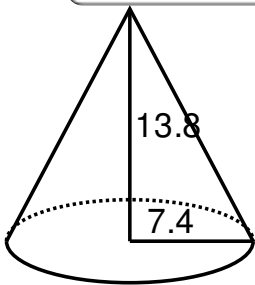
Answer: 3,687.55

2)



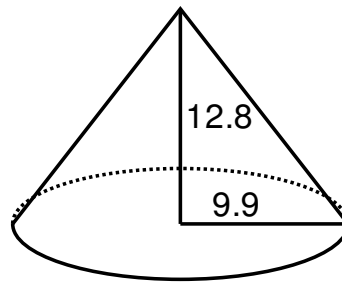
Answer: 2,547.1

3)



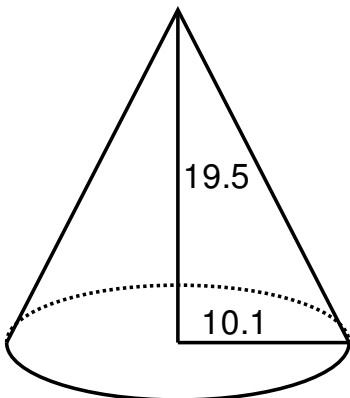
Answer: 790.95

4)



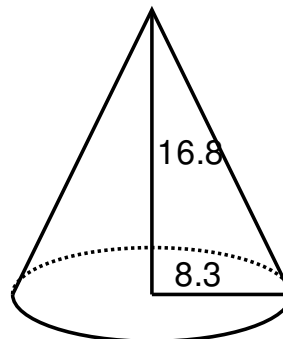
Answer: 1,313.07

5)



Answer: 2,082.02

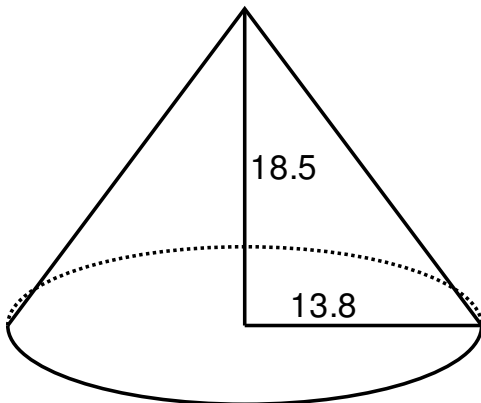
6)



Answer: 1,211.36

Solution Steps

1)



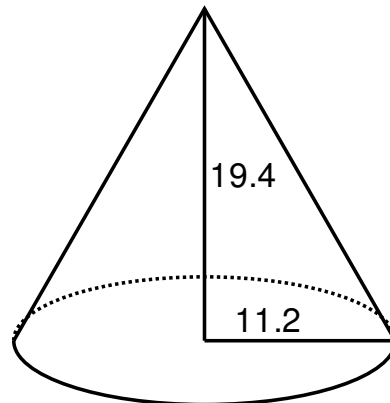
$$\text{Volume} = \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height}$$

$$\text{Volume} = \frac{1}{3} * \pi * (13.8)^2 * 18.5$$

$$\text{Volume} = \frac{1}{3} * \pi * 190.44 * 18.5$$

$$\text{Volume} = 3,687.55$$

2)



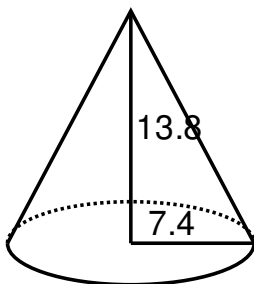
$$\text{Volume} = \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height}$$

$$\text{Volume} = \frac{1}{3} * \pi * (11.2)^2 * 19.4$$

$$\text{Volume} = \frac{1}{3} * \pi * 125.44 * 19.4$$

$$\text{Volume} = 2,547.1$$

3)



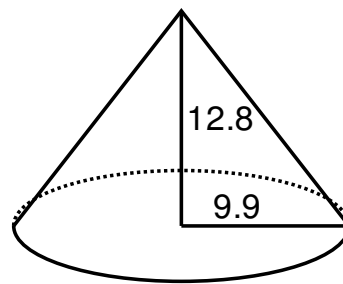
$$\text{Volume} = \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height}$$

$$\text{Volume} = \frac{1}{3} * \pi * (7.4)^2 * 13.8$$

$$\text{Volume} = \frac{1}{3} * \pi * 54.76 * 13.8$$

$$\text{Volume} = 790.95$$

4)



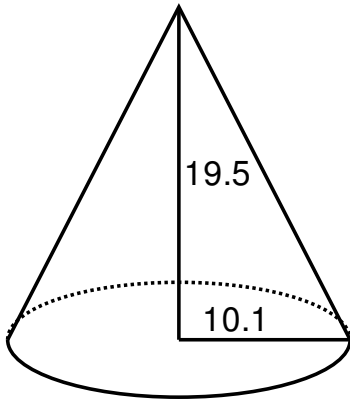
$$\text{Volume} = \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height}$$

$$\text{Volume} = \frac{1}{3} * \pi * (9.9)^2 * 12.8$$

$$\text{Volume} = \frac{1}{3} * \pi * 98.01 * 12.8$$

$$\text{Volume} = 1,313.07$$

5)



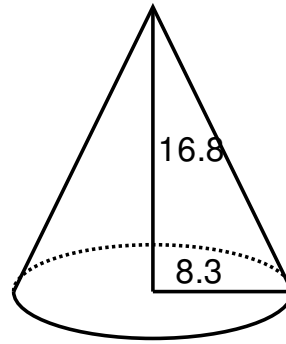
$$\text{Volume} = \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height}$$

$$\text{Volume} = \frac{1}{3} * \pi * (10.1)^2 * 19.5$$

$$\text{Volume} = \frac{1}{3} * \pi * 102.01 * 19.5$$

$$\text{Volume} = 2,082.02$$

6)



$$\text{Volume} = \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height}$$

$$\text{Volume} = \frac{1}{3} * \pi * (8.3)^2 * 16.8$$

$$\text{Volume} = \frac{1}{3} * \pi * 68.89 * 16.8$$

$$\text{Volume} = 1,211.36$$