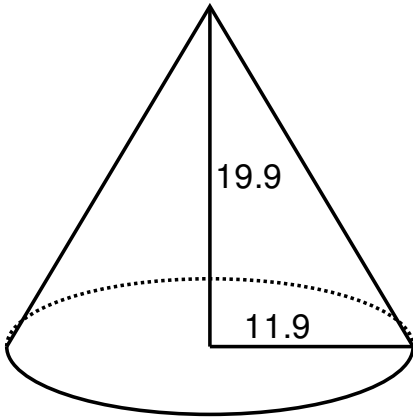


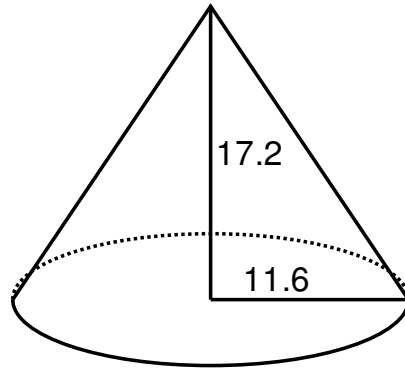
Volume of a Cone

Find the Volume of each cone.

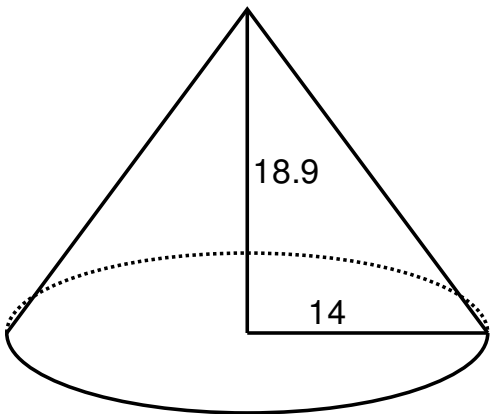
1)



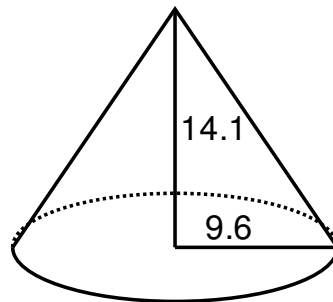
2)



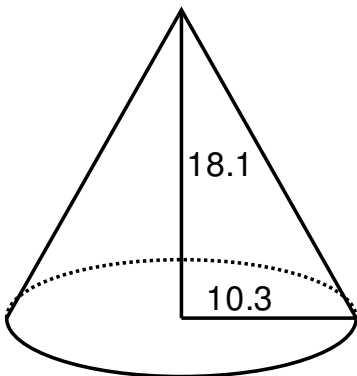
3)



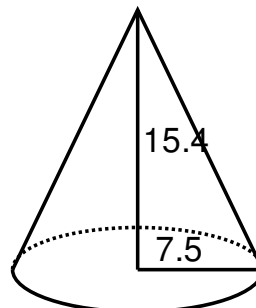
4)



5)



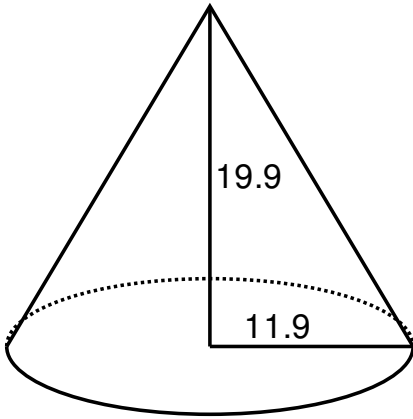
6)



Volume of a Cone

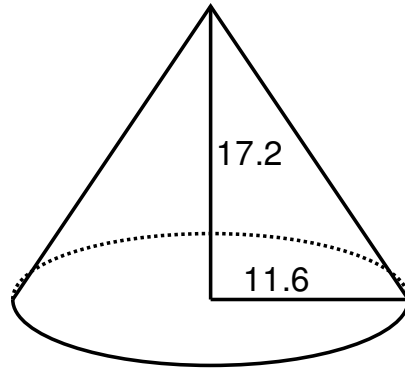
Find the Volume of each cone.

1)



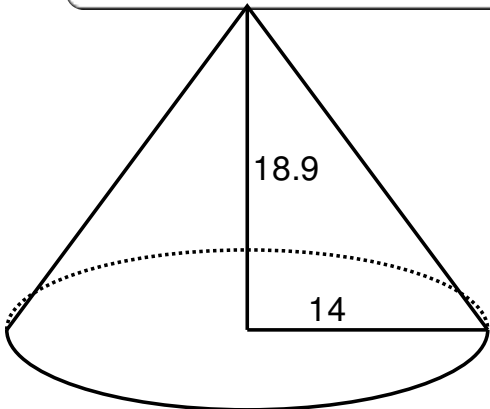
Answer: 2,949.55

2)



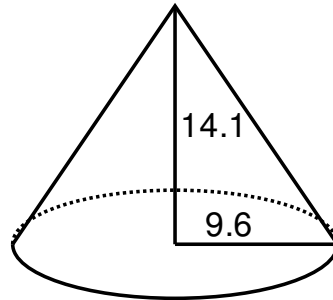
Answer: 2,422.44

3)



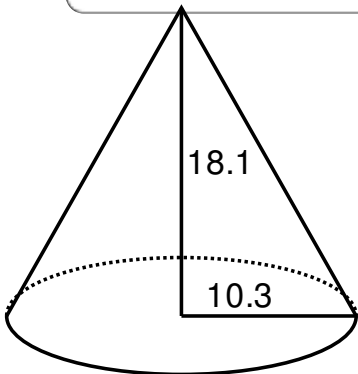
Answer: 3,877.27

4)



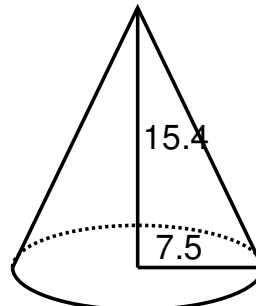
Answer: 1,360.1

5)



Answer: 2,009.84

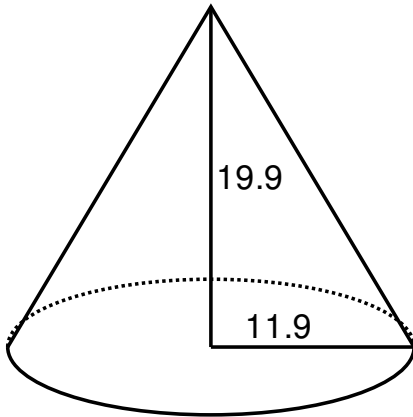
6)



Answer: 906.68

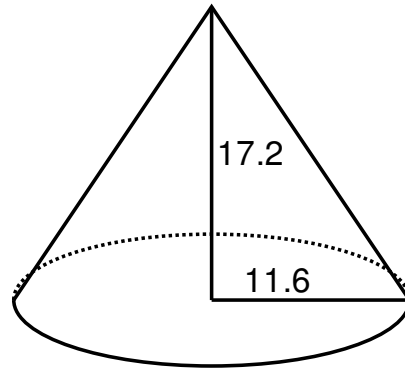
Solution Steps

1)



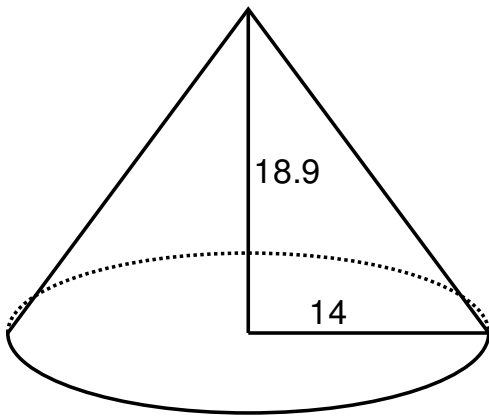
$$\begin{aligned} \text{Volume} &= \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height} \\ \text{Volume} &= \frac{1}{3} * \pi * (11.9)^2 * 19.9 \\ \text{Volume} &= \frac{1}{3} * \pi * 141.61 * 19.9 \\ \text{Volume} &= 2,949.55 \end{aligned}$$

2)



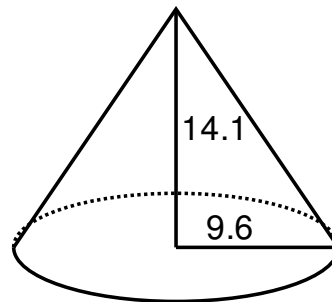
$$\begin{aligned} \text{Volume} &= \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height} \\ \text{Volume} &= \frac{1}{3} * \pi * (11.6)^2 * 17.2 \\ \text{Volume} &= \frac{1}{3} * \pi * 134.56 * 17.2 \\ \text{Volume} &= 2,422.44 \end{aligned}$$

3)



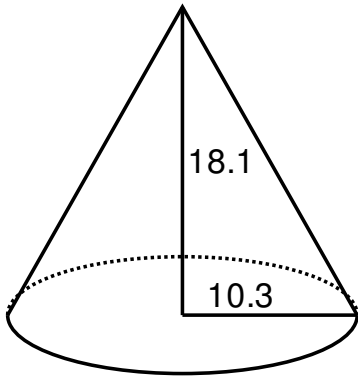
$$\begin{aligned} \text{Volume} &= \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height} \\ \text{Volume} &= \frac{1}{3} * \pi * (14)^2 * 18.9 \\ \text{Volume} &= \frac{1}{3} * \pi * 196 * 18.9 \\ \text{Volume} &= 3,877.27 \end{aligned}$$

4)



$$\begin{aligned} \text{Volume} &= \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height} \\ \text{Volume} &= \frac{1}{3} * \pi * (9.6)^2 * 14.1 \\ \text{Volume} &= \frac{1}{3} * \pi * 92.16 * 14.1 \\ \text{Volume} &= 1,360.1 \end{aligned}$$

5)



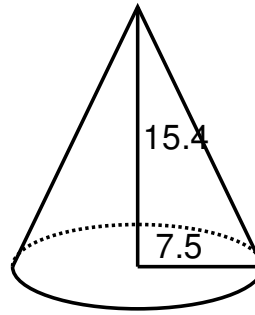
$$\text{Volume} = \frac{1}{3} * \pi * (\text{Radius})^2 * \text{Height}$$

$$\text{Volume} = \frac{1}{3} * \pi * (10.3)^2 * 18.1$$

$$\text{Volume} = \frac{1}{3} * \pi * 106.09 * 18.1$$

$$\text{Volume} = 2,009.84$$

6)



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

$$\text{Volume} = \frac{1}{3} * \pi * (7.5)^2 * 15.4$$

$$\text{Volume} = \frac{1}{3} * \pi * 56.25 * 15.4$$

$$\text{Volume} = 906.68$$