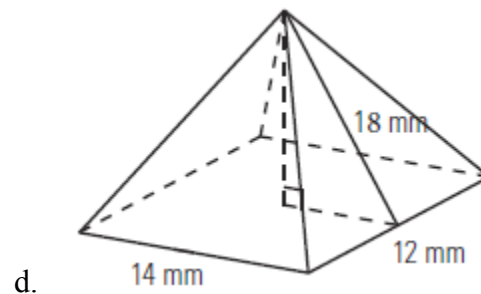
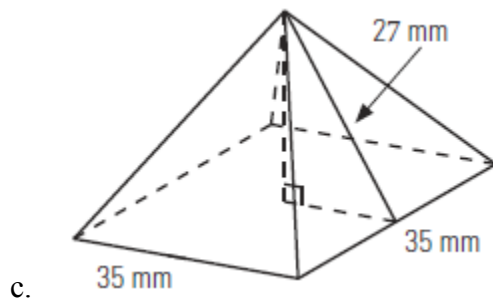
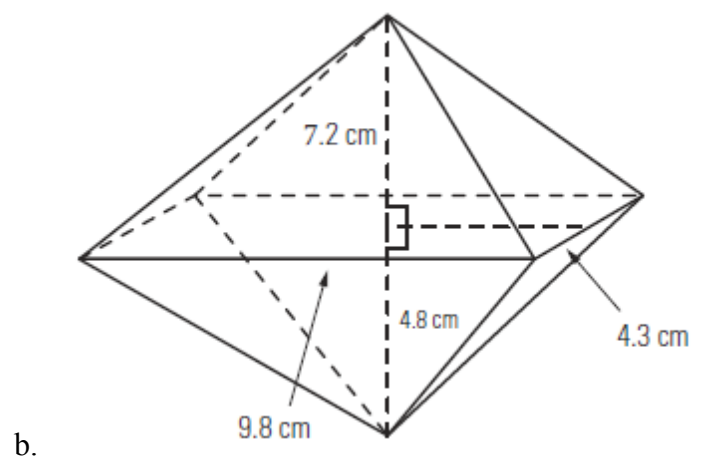
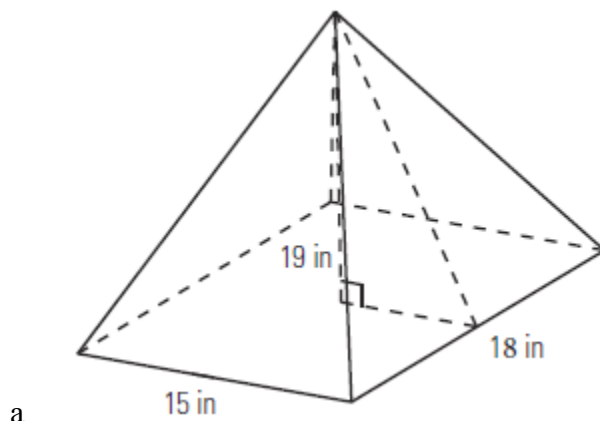


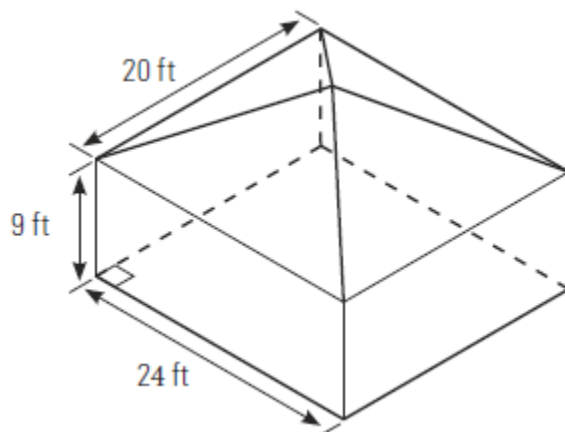
Unit 1 - WA20.3 - Surface Area and Volume Practice Questions #5

Be sure to input your answers here to receive credit: <https://bit.ly/2MkbEbe>

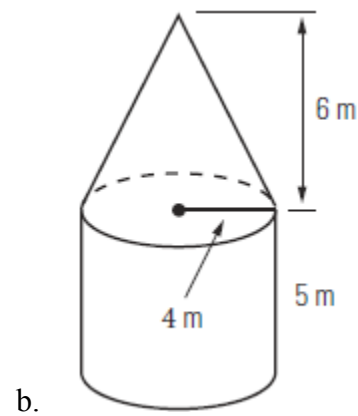
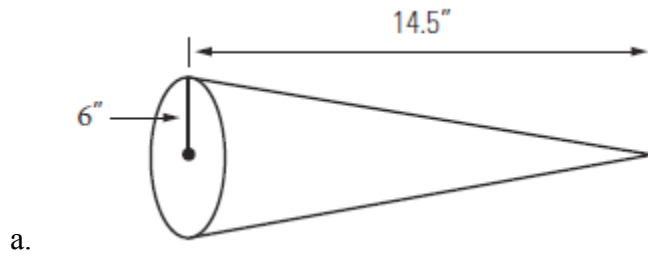
1. Find the volume of each sphere.
 - a. A sphere with a radius of 9.5 cm.
 - b. A sphere with a diameter of 82 cm.
2. A sphere with a radius of 52 cm is centered inside a sphere with a radius of 84 cm.
 - a. What is the volume of the space between the two spheres?
 - b. What is the capacity?
3. Find the volume of each pyramid



4. Calculate the volume and capacity of the following figure. The height to the peak is 15 ft.



5. Determine the volume of each figure:



6. What is the capacity in US gallons of a spherical water tower with a diameter of 32.3 feet? 1 cubic foot equals 7.48 US gallons.
7. Three metal spheres are dropped into a jug of water and sink to the bottom. If the spheres are 3.6 cm, 2.9 cm, and 4.8 cm in radius, what volume of water do they displace?