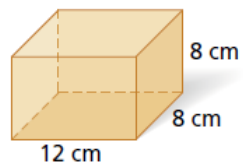
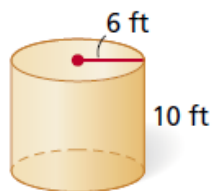


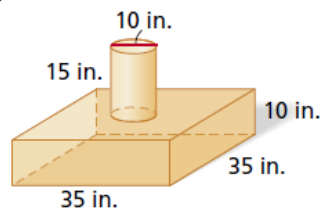
1) Find the volume of the prism:



2) Find the volume of the cylinder:



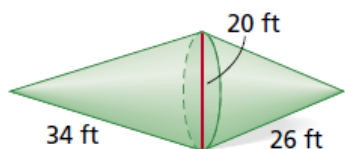
3) Find the volume of the composite figure:



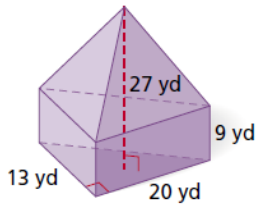
4) Find the volume of a regular pentagonal pyramid with base edge length of 18 yd and a slant height of 20 yd.

5) Find the volume of a right cone with a diameter of 30 in and height of 8 in. Draw a diagram.

6) Find the volume of the composite figure:



7) Find the volume of the composite figure (27 yd is the **total** height of the shape):



8) A brick patio measures 10 ft by 12 ft by 3 in.

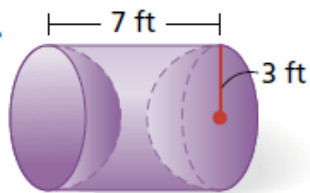
a) Find the volume of the bricks.

b) If the density of brick is 130 pounds per cubic **foot**, what is the weight of the patio in pounds?

9) Find the volume of a sphere with a diameter of 20 in.

10) Find the volume of a hemisphere with a radius of 12 ft.

11) Find the volume of the composite figure:



12) The dimensions of a 12 mm by 8 mm by 24 mm right rectangular prism are multiplied by $\frac{3}{4}$. Describe the effect on the prism's volume:
