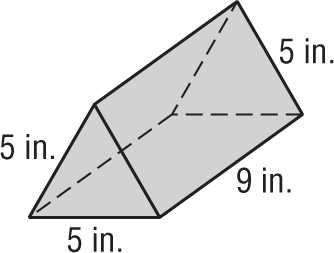
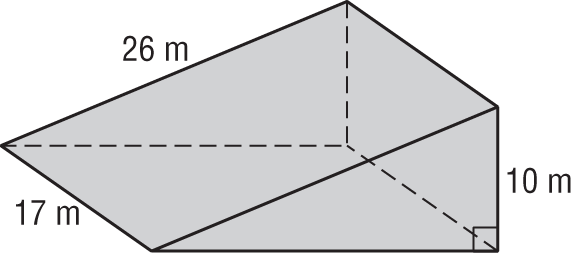
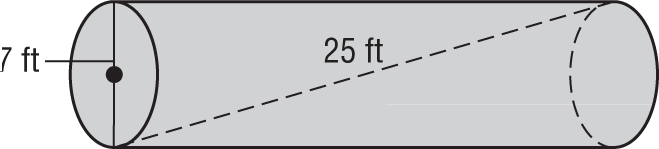
**12-4 Practice**

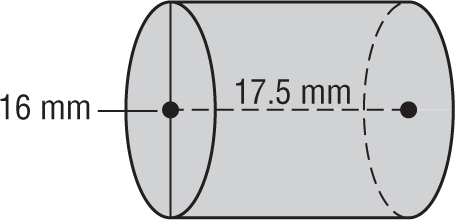
***Volumes of Prisms and Cylinders***

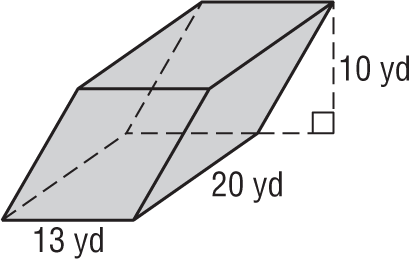
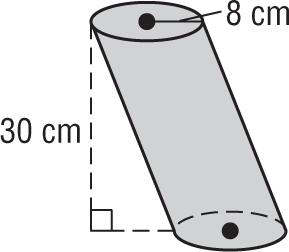
**Find the volume of each prism or cylinder. Round to the nearest tenth if necessary.**

** 1. 2.**

****

** 3. 4.**

****

** 5. 6.**

**7. AQUARIUM** Mr. Gutierrez purchased a cylindrical aquarium for his office. The aquarium has a height of 25 inches and a radius of 21 inches.

**a.** What is the volume of the aquarium in cubic feet?

**b.** If there are 7.48 gallons in a cubic foot, how many gallons of water does the aquarium hold?

**c.** If a cubic foot of water weighs about 62.4 pounds, what is the weight of the water in the aquarium to the "nearest five pounds?