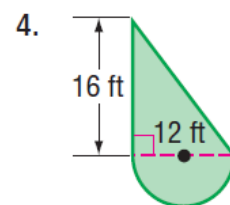
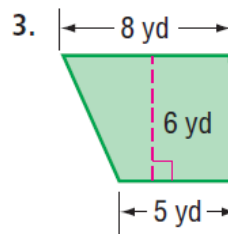
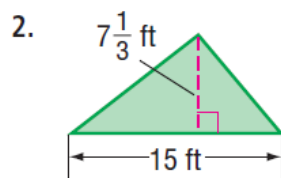
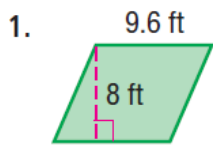


Find the area of each figure. Round to the nearest tenth if necessary.



5. **MEASUREMENT** Mrs. Torres has a circular rug underneath her dining room table. What is the approximate circumference of the rug if it has a radius of  $3\frac{1}{2}$  yards?

Find the area of each circle. Round to the nearest tenth.

6. radius = 9 ft

7. diameter = 5.2 m

8. **MULTIPLE CHOICE** A fountain is in the shape of a circle. If the fountain has a diameter of 8.8 meters, which equation could be used to find the area of the base of the fountain?

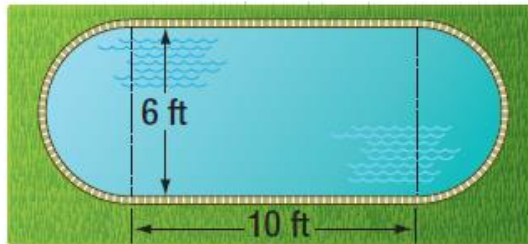
A  $A = \pi \times 8.8^2$

C  $A = 2 \times \pi \times 4.4$

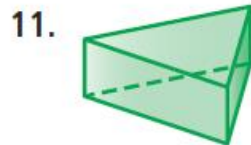
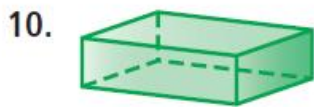
B  $A = \pi \times 4.4^2$

D  $A = \pi \times 8.8$

9. **MEASUREMENT** The Gruseser family wants to build a swimming pool like the one shown below. If they have 85 square feet of land available for the pool, do they have enough space for the swimming pool? Justify your response.



For each figure, identify the shape of the base(s). Then classify the figure.



12. **GEOMETRY** Classify the shape of a roll of paper towels.



13. **GEOMETRY** Which geometric shape has at least three lateral faces that are triangles and only one base?

Draw a top, a side, and a front view of each solid.

14.

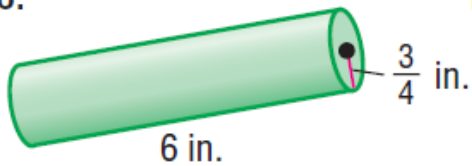


15.

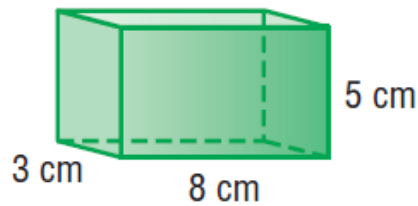


Find the volume of each prism and cylinder.  
Round to the nearest tenth.

16.

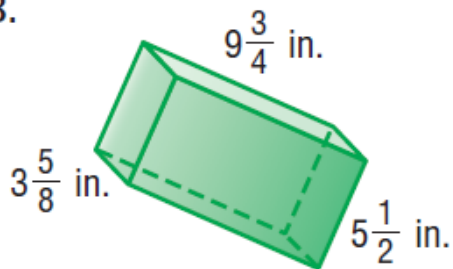


17.

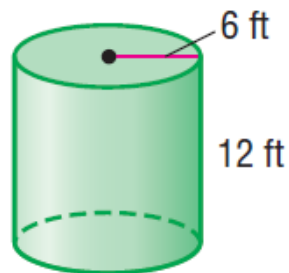


Find the volume of each prism and cylinder.  
Round to the nearest tenth.

18.



19.



20. **MULTIPLE CHOICE** A cylinder-shaped coffee mug has a radius of 4 centimeters and a height of 10 centimeters. How much coffee is contained in the mug if it is only half full?

F  $0.2 \text{ in}^3$

H  $3.4 \text{ in}^3$

G  $1.5 \text{ in}^3$

J  $3.8 \text{ in}^3$