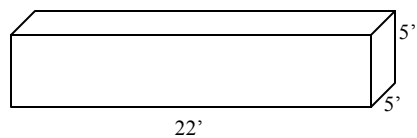Determine the surface area and volume for each shape. Box surface area answers and circle volume answers.
For cylinders, give both the exact and approximate answers.
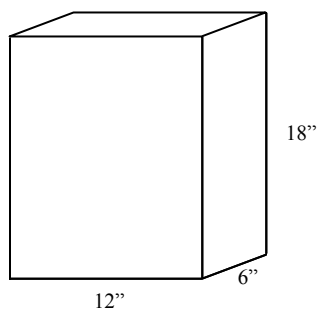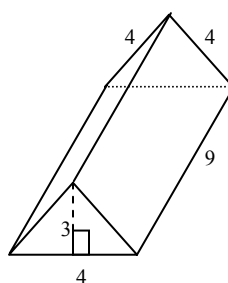
1.

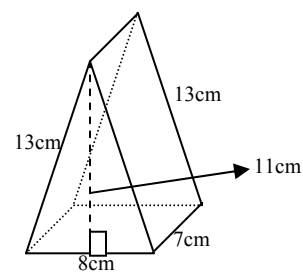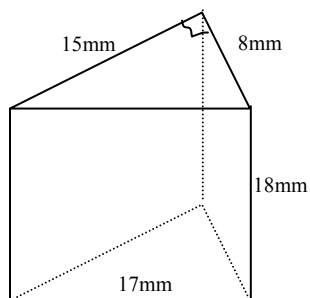

9m
9m
9m

2.

5'
5'
22'

3.

18"
12"
6"

4.

4   4
9
3
4

5.

13cm
13cm
11cm
7cm
8cm

6.

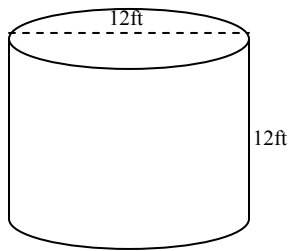15mm   8mm
18mm
17mm

7.

12ft

12ft

8.

9in
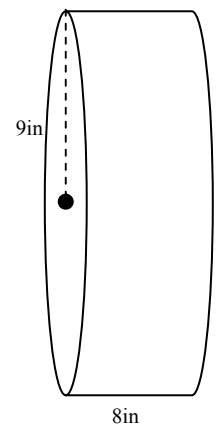
8in
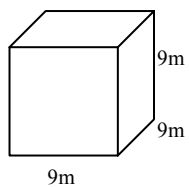
9. A swimming pool is 15 feet wide, 25 feet long, and 6 feet deep.
   a. How much paint is needed to cover the interior of the pool?
   b. How many cubic feet of water can the pool hold?
   c. How many gallons of water can the pool hold? $1ft^3$=7.48 gallons

10. A can of Hormel chili with beans is 11 cm tall and 7 cm across.
    a. How much chili does the can hold?
    b. What is the area of the can's label?
    c. How much metal was used to construct the can?