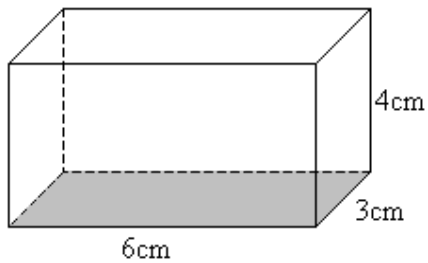


Name _____ Date _____

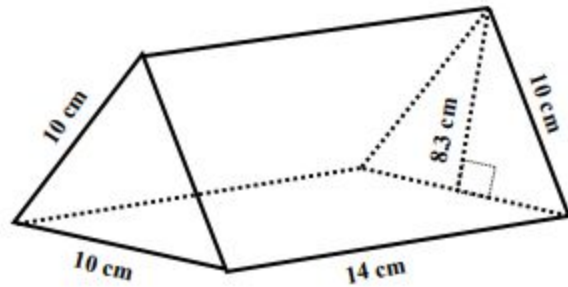
Covering and Surrounding Study Guide

1. Find the surface area and volume of the following prisms.



Volume _____

Surface Area _____



Volume _____

Surface Area _____

2. Mariam decides she wants to build a pool in her backyard, . She wants the area of the rectangle to be 100 square ft.

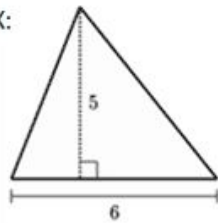
- What dimensions would give her the smallest perimeter (whole numbers only)?
- What dimensions would give her the biggest perimeter (whole numbers only)?
- Use your answer from part a. If the tiles to build the edges of the pool costs \$6.24 per foot, how much would the pool tiles cost?

3. Find the area and perimeter of each below.

a.

$$\text{area} = \frac{1}{2}b \times h$$

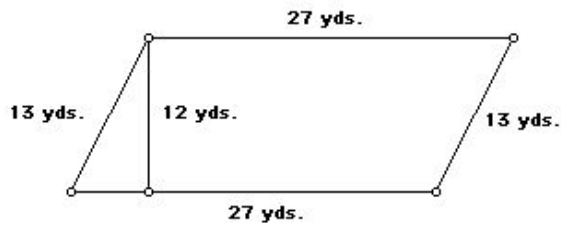
EX:



$$\text{area} = \frac{1}{2} \times 6 \times 5 = 15$$

Area _____

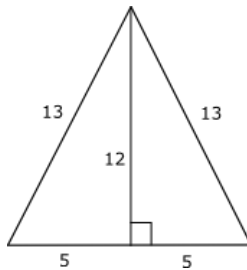
b.



Area _____

Perimeter _____

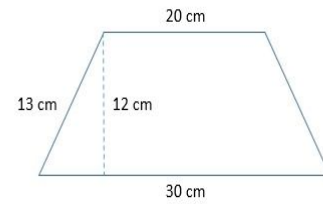
c.



Area _____

Perimeter _____

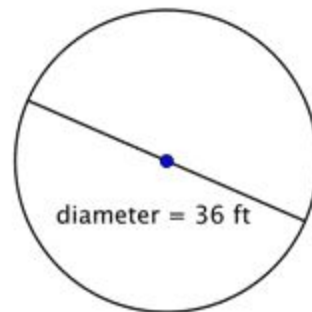
d.



Area _____

Perimeter _____

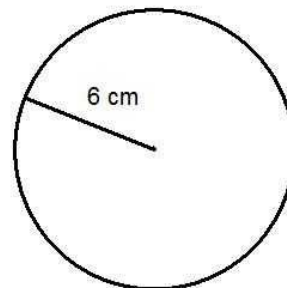
e.



Area _____

Circumference _____

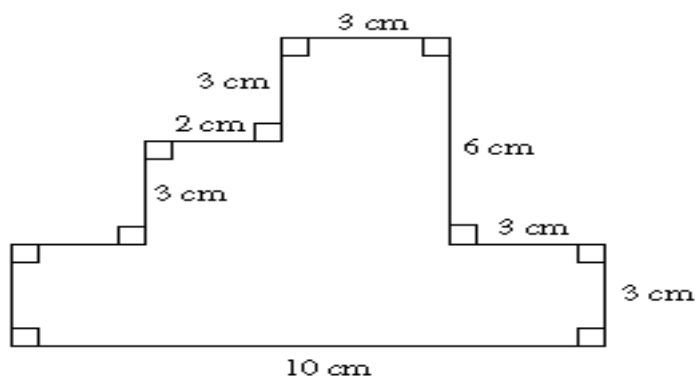
f.



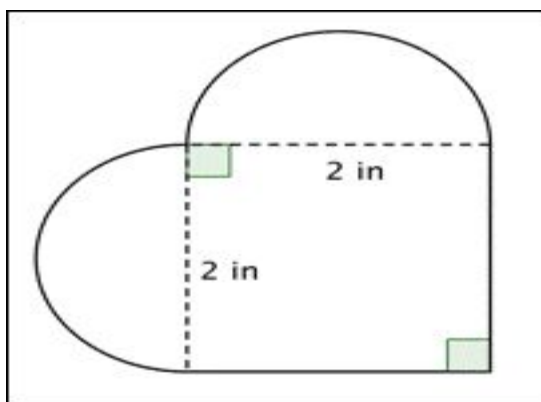
Area _____

Circumference _____

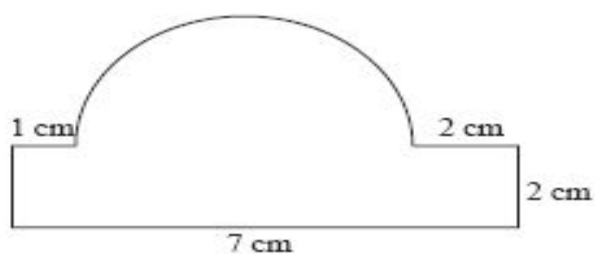
5. Find the area of the compound shapes below. (4 points)



6. Find area and perimeter of the shape below.



7. Find area and Perimeter of the shape below.



8. Find area of each (shaded region for the one on the left)

