3-D’ville Pre Assessment

Define area:

For each shape use the formulas to calculate the area of each shape.

Rectangle: A = l x w Square: A = s2 Triangle: A = ½ b x h Circle: A = πr2

(π=3.14)

6 cm

3 cm

8 ft.

4 m

6 in.

5 ft.

7 m

6 cm

A= \_\_\_\_\_\_\_\_\_ A= \_\_\_\_\_\_\_\_\_ A= \_\_\_\_\_\_\_\_\_ A= \_\_\_\_\_\_\_\_\_

Define surface area:

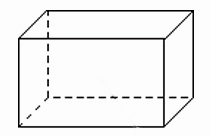
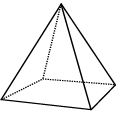
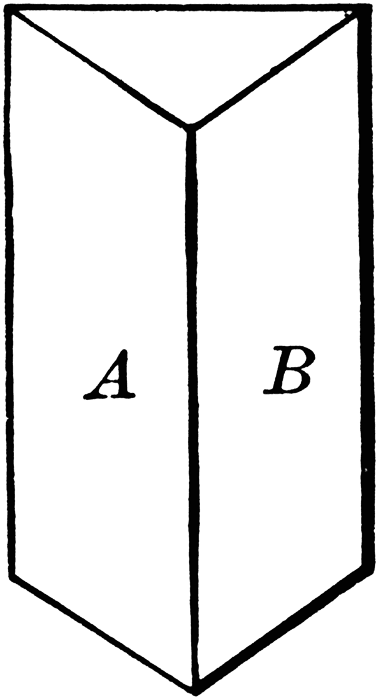
For each shape use the formulas to calculate the surface area of each shape.

3 in.

12 cm cm

2 ft.

4 in.

11 in. cm

7 ft.

6 cm

8 cm

10 m cm

5 m

SA= \_\_\_\_\_\_\_\_\_ SA= \_\_\_\_\_\_\_\_\_ SA= \_\_\_\_\_\_\_\_\_ SA= \_\_\_\_\_\_\_\_\_

Keiko drew a scale drawing of a restaurant. The scale of the drawing was 1 centimeter = 3 meters. If the restaurant's kitchen is 5 centimeters in the drawing, how wide is the actual kitchen?

\_\_\_\_\_\_\_\_\_ meters

Samantha drew a scale drawing of a round swimming pool. The scale of the drawing was 1 inch = 7 feet. What is the surface area of the swimming pool?

\_\_\_\_\_\_\_\_\_ feet

24.06 x $3.75 = \_\_\_\_\_\_\_\_ 83.58 x $7.25 = \_\_\_\_\_\_\_\_ 110.35 x $5.50 = \_\_\_\_\_\_\_\_