Name: _____ Date:_____ Hour:_____

Find the surface area of each figure. Don't forget your units.

1.
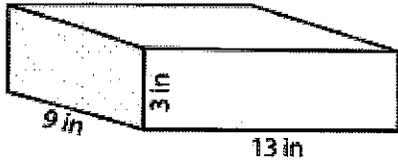
Front: _____ x 2 = _____

Top: _____ x 2 = _____

Side: _____ x 2 = _____

Surface Area: Total of all areas= _____

2.
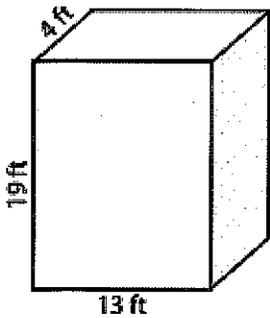
Front: _____ x 2 = _____

Top: _____ x 2 = _____

Side: _____ x 2 = _____

Surface Area: Total of all areas= _____

3.
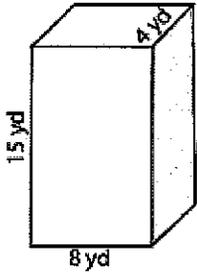
Front: _____ x 2 = _____

Top: _____ x 2 = _____

Side: _____ x 2 = _____

Surface Area: Total of all areas= _____

4.

A gift box in the shape of a rectangular prism has 20 inch length, 14 inch width and 10 inch height. How much the paper will you need to wrap the gift box?

Draw a picture:

Front: _____ x 2 = _____

Top: _____ x 2 = _____

Side: _____ x 2 = _____

Surface Area: Total of all areas= _____

5.

16 cm

8 cm   8 cm

Base: _____ = _____

Side: _____x4 = _____

Surface Area: Total of all areas= _____

6.

32 ft.

20 ft.   20 ft.
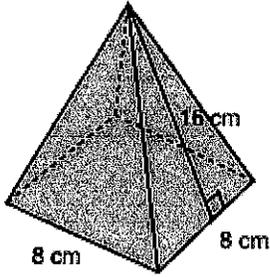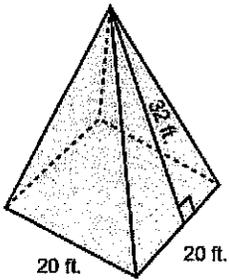
Base: _____ = _____

Side: _____x4 = _____

Surface Area: Total of all areas= _____

7.   7)

6 yds.

3 yds   3 yds
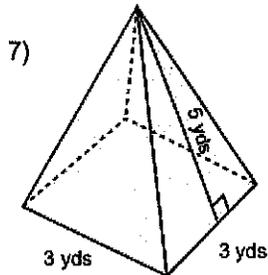
Base: _____ = _____

Side: _____x4 = _____

Surface Area: Total of all areas= _____

8.
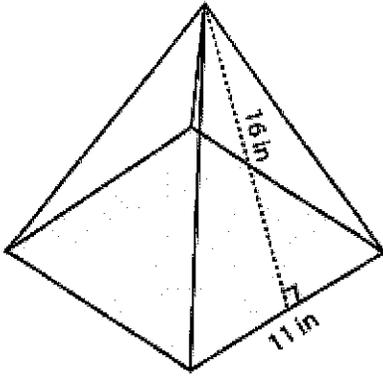
Base: _____ = _____

Side: _____ x4 = _____

Surface Area: Total of all areas= _____

9.
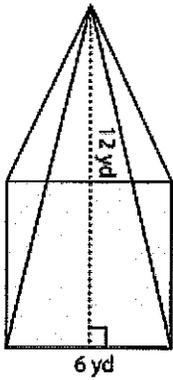
Base: _____ = _____

Side: _____ x4 = _____

Surface Area: Total of all areas= _____

10.
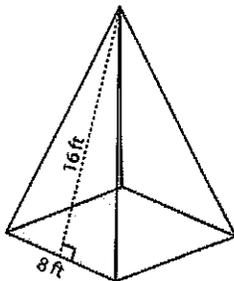
Base: _____ = _____

Side: _____ x4 = _____

Surface Area: Total of all areas= _____

11.
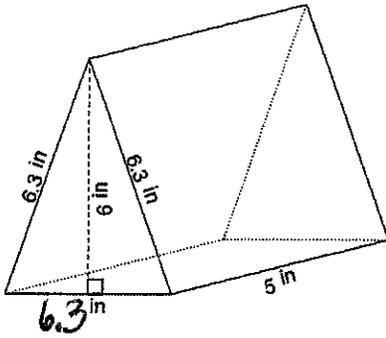
6.3 in

6 in

6.3 in

6.3 in

5 in

Base: _____ **x2 =** _____

Side: _____ **x3 =** _____

Surface Area: Total of all areas= _____

12.

4.5 in

4 in

4.5 in

4.5 in

4 in

Base: _____ **x2 =** _____

Side: _____ **x3 =** _____

Surface Area: Total of all areas= _____

13.

12.5 in

11 in

12.5 in

12.5 in

8 in

Base: _____ **x2 =** _____

Side: _____ **x3 =** _____
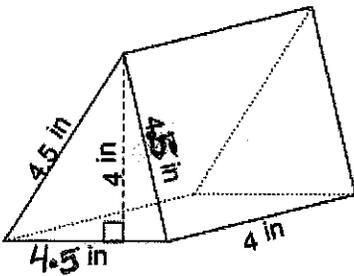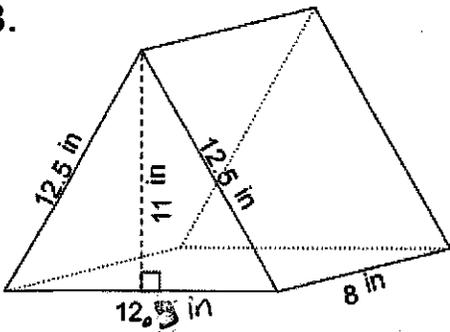
Surface Area: Total of all areas= _____

14.

Rectangle: _____ = _____

Circle: _____ ' _____ x2 = _____

Total Area: _____

3 m
10 m
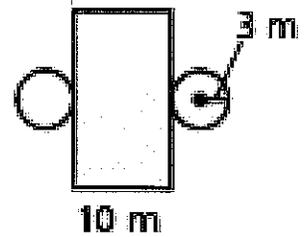
15.

Rectangle: _____ = _____

Circle: _____ ' _____ x2 = _____

Total Area: _____

5 in.
15 in.
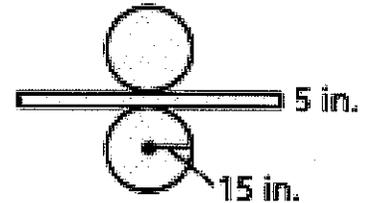
16.

Rectangle: _____ = _____

Circle: _____ ' _____ x2 = _____

Total Area: _____

6 in.
15 in.
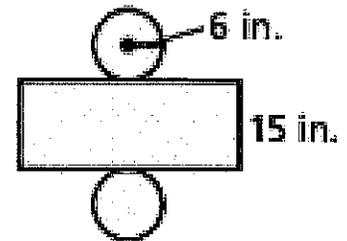
17.

Rectangle: _____ = _____

Circle: _____ ' _____ x2 = _____

Total Area: _____

10 mm
9 mm
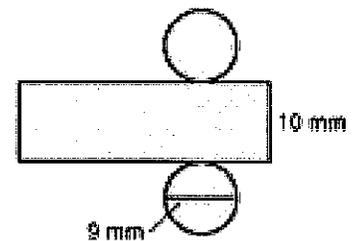
18.

A travel mug is cylindrical, and its $2\frac{1}{2}$ in. width fits into most drink holders. What percent of the total surface area of the mug is covered by the 2 in. wide grip? Use 3.14 for π.

7 in.
2 in.
$2\frac{1}{2}$ in.