

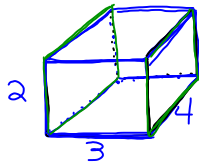
Chapter 10-6 2/2/07

SWBAT: FIND the
Surface Area of prisms
and cylinders.

Surface Area - the
sum of the area of
the bases and the
sides.

3 Dimensions.

Length, width, height.



$$F - 2 \times 3 = 6 \text{ in}^2$$

$$B - 2 \times 3 = 6 \text{ in}^2$$

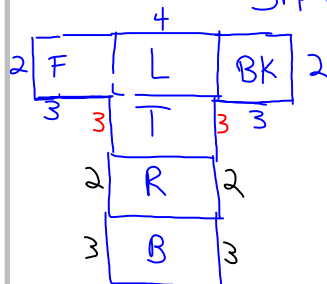
$$T - 3 \times 4 = 12 \text{ in}^2$$

$$B - 3 \times 4 = 12 \text{ in}^2$$

$$R - 2 \times 4 = 8 \text{ in}^2$$

$$L - 2 \times 4 = 8 \text{ in}^2$$

$$\text{SA RectPr. } 52 \text{ in}^2$$

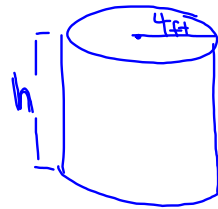


$$(2 \times 3) 2$$

$$(3 \times 4) 2$$

$$(2 \times 4) 2$$

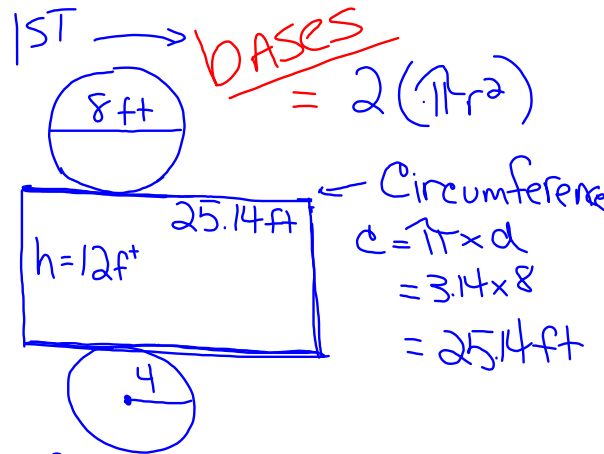
Cylinder
2 PARTS/circles + Rectangle



$$A_0 = \pi \times r \times r \times 2$$

$$+ A_{\square} = \frac{b \times h}{1}$$

SA cylinder



Area of
Bases
CIRCLES

$$2 (3.14 \times 4 \times 4)$$

$$2 (50.24)$$

$$100.48$$

Area
of Rec

$$A = b \times h$$
$$A = 25.14 \times 12$$

$$A = 301.68$$

ADD

$$+ 100.48$$

$$\text{SA Cyl } 402.16$$