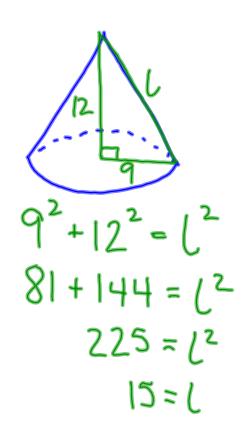
Do-now:

- 1. Turn in HW. (Classwork from Friday.)
- 2. Take out reference sheet.
- 3. What is the <u>surface area</u> of a cylinder with a radius of 4 inches and a height of 5 inches? What is the <u>lateral area?</u>

The vertical height of a cone is 12 inches and the radius is 9 inches. What is the lateral area of the cone?



$$L = \pi r l$$
 $L = \pi r \cdot 9 \cdot 15$
 $L = 135\pi \text{ In}^2$

If the volume of a sphere is 2304π cubic inches, what is the surface area?

11 the volume of a sphere is 230
$$V = \frac{4}{3}\pi^{3}$$

$$2304\pi = 4\pi^{3}$$

$$\frac{4}{3}\pi^{3}$$

>
$$SA = 4\pi r^2$$

 $SA = 4\pi r \cdot 12^2$
 $SA = 4\pi r \cdot 144$
 $SA = 576\pi r \cdot 10^2$

