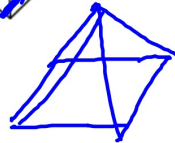
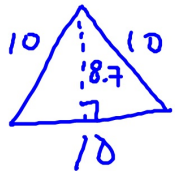
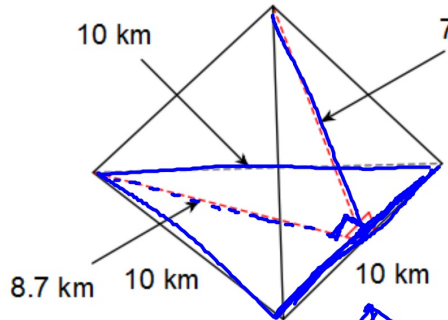


MDI: Find the surface area



Pyramid

$$SA = \frac{1}{2}pl + B$$

$$p = 10 + 10 + 10 = 30$$

$$l = 7.6$$

$$B = \frac{1}{2}(10)(8.7) = 43.5$$

$$SA = \frac{1}{2}(30)(7.6) + 43.5$$

$$= 114 + 43.5$$

$$= 157.5 \text{ km}^2$$

LAUNCH: Without looking at your notes,

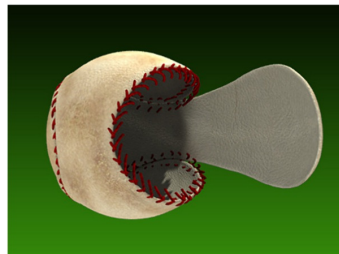
1. name each 3-D solid and
2. write the formula for **surface area** (or as much as you can remember)

1	2	3	4
Pyramid	Cylinder	Cone	Prism
$SA = \frac{1}{2}pl + B$	$SA = 2\pi rh + 2\pi r^2$	$SA = \pi rl + \pi r^2$	$SA = ph + 2B$

3.14 (and a half)

Surface Area of Spheres

Objective: To find the surface area of a sphere



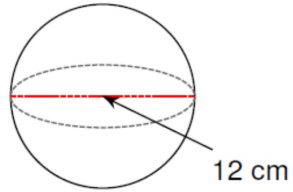
<p><u>Formulas:</u></p> <p>LA = _____</p> <p>SA = $4\pi r^2$</p> <p>V = _____</p>	<p><u>Parts of the formula:</u></p> <p>$\pi = 3.14$</p> <p>r = radius</p>
<p>SPHERE</p>	
<p><u>Picture(s):</u></p>	<p><u>Example:</u></p>

Find the surface area of the sphere:

Sphere

$$SA = 4\pi r^2$$
$$= 4(3.14)(6)^2$$
$$= 4(3.14)(36)$$
$$= \boxed{452.16 \text{ cm}^2}$$

$$\pi = 3.14$$
$$r = 6$$



***Surface Area CFA**

***PreCFA**