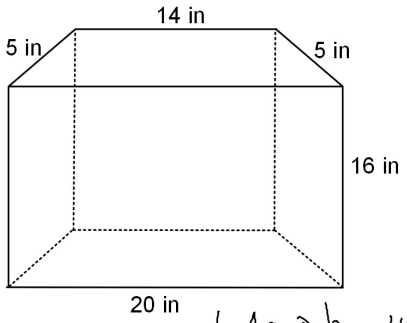
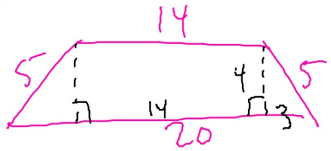
Bellwork, Thursday, May 22, 2014

1. Find the Surface Area of this Trapezoidal Prism. Round to the nearest tenth if needed.





$A = \frac{1}{2}(b+b)h$

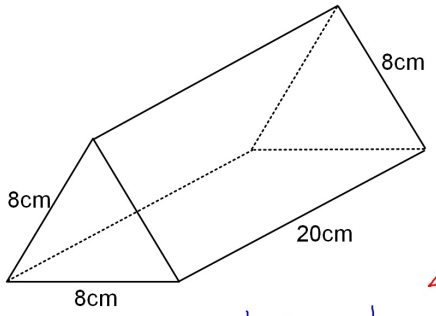
$\frac{1}{2}(14+20)4$

$A = 68 = B$

$LA = ph = 44(16) = 704$

SA = LA = 2B = 704 + 2(68) = 840 in^2

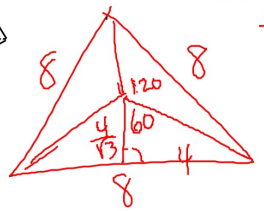
2. Find the area of this Triangular Prism. Round to the nearest tenth if needed.



SA = LA + 2B

480 + 2(27.71)

= 535.42



$A = \frac{1}{2}ap$

$\frac{1}{2}(\frac{4}{\sqrt{3}})(24)$

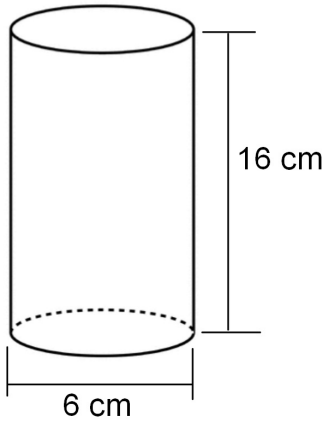
B = 27.71

$LA = ph$

$(24)(20)$

LA = 480

3. Find the Surface Area of this Cylinder. Leave your answer in terms of π.



$SA = 2B + LA$

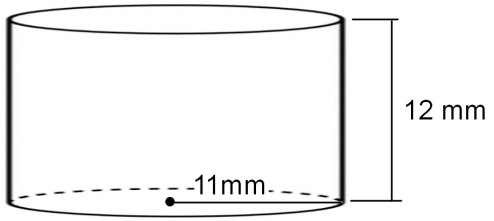
$2\pi r^2 + 2\pi rh$

$2\pi(3)^2 + 2\pi(3)(16)$

$18\pi + 96\pi$

114π cm^2

4. Find the Surface Area of this Cylinder. Round your answer to the nearest hundredth.



$2\pi r^2 + 2\pi rh$

$2\pi(11)^2 + 2\pi(11)(12)$

$242\pi + 264\pi$

1589.65 mm^2