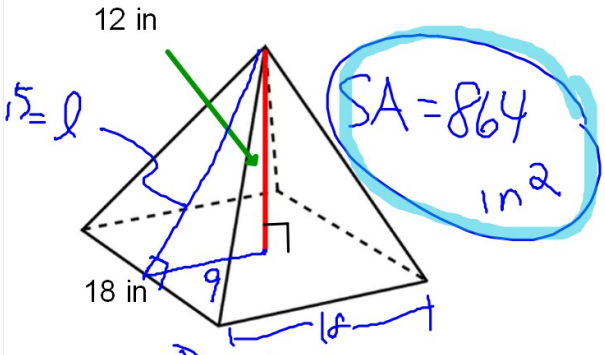
Bellwork, Tuesday, May 27, 2014

Find the surface area to the nearest tenth.

1. Square Pyramid.

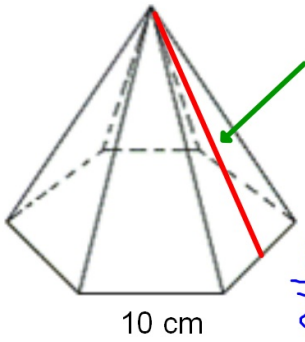


$SA = 864\ in^2$

$B + LA$

$18^2 + \frac{1}{2}p\ell = 18^2 + \frac{1}{2}(72)(15)$

2. Hexagonal Pyramid.



$SA = B + LA$

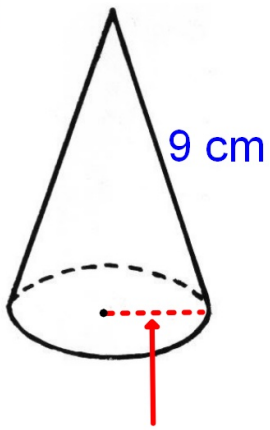
$\frac{1}{2}(5\sqrt{3})(60) + \frac{1}{2}(60)(16)$

$139.8\ cm^2$

Find the surface area of each cone. Give your answer in terms of π.

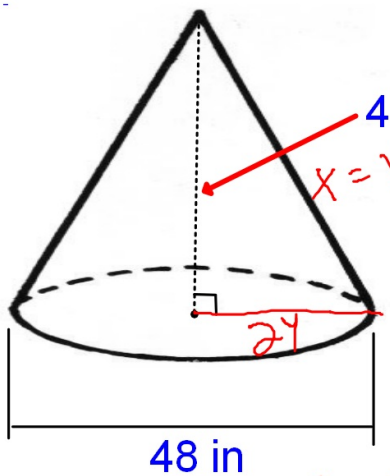
$SA = \pi r^2 + \pi r \ell$

3



$SA = \pi(5)^2 + \pi(5)(9) = 70\pi\ cm^2$

4.



$x = \sqrt{45^2 + 24^2} = 51$

$r = 24\ in$

$\ell = 51$

$SA = \pi(24^2) + \pi(24)(51)$

$1800\pi\ in^2$