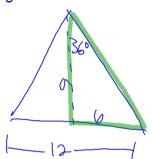
Bellwork Monday, May 12, 2014

Find the area of each regular polygon to the nearest

hundredth.

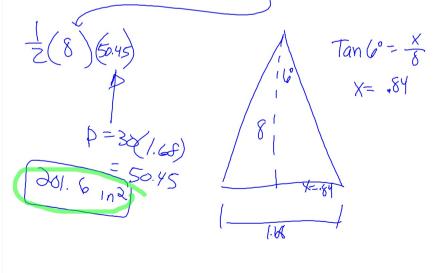
ap = 2(8.25)(60)=

1. Regular Pentagon whose sides are 12cm long.



 $P = 12cm \times 7$ = 60 Tan 36° = 6 A = 8.25

3. Regular 30-gon whose apothem is 8 in. long.



2. Regular 18-gon whose radius is 30cm long. $\frac{1}{2} \propto P$ $\frac{1}{2} (29.54)(87.56) = \frac{3}{30}$ $\frac{1}{30} = \frac{3}{30}$