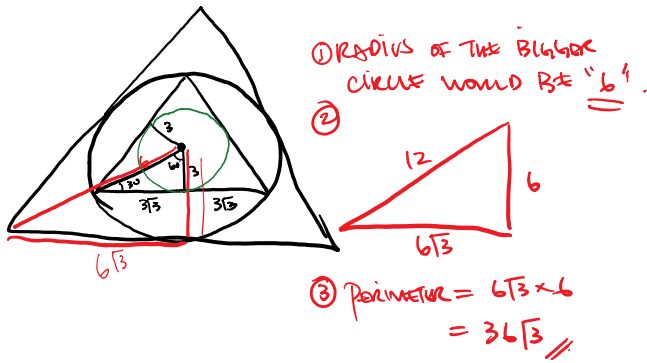


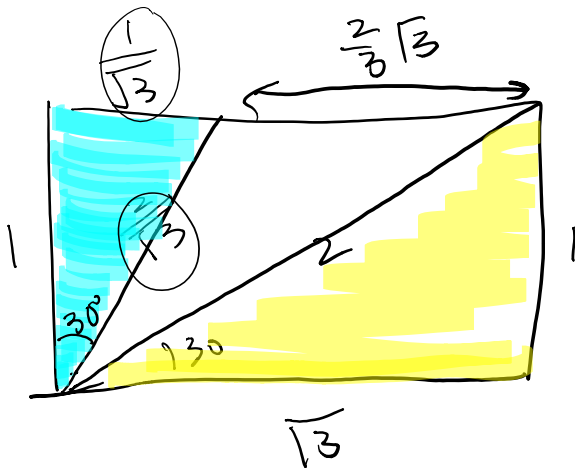
HW 2.5

April 1, 2015 8:35 PM

#12)

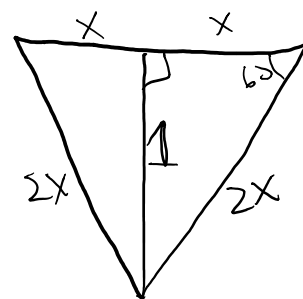


#17)



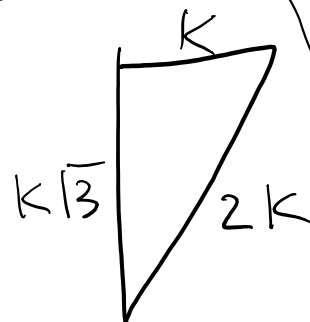
① $\frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$

② $\sqrt{3} - \frac{\sqrt{3}}{3} = \frac{2\sqrt{3}}{3}$



$x^2 + 1^2 = (2x)^2$
 $x^2 + 1 = 4x^2$
 $1 = 3x^2$
 $\frac{1}{3} = x^2$

$\frac{1}{\sqrt{3}} = x$



$k\sqrt{3} = 1$
 $k = \frac{1}{\sqrt{3}}$

Perimeter

$= 2 + \frac{2\sqrt{3}}{3} + \frac{2\sqrt{3}}{3}$

$= 2 + \frac{4\sqrt{3}}{3}$

$= \frac{6 + 4\sqrt{3}}{3}$