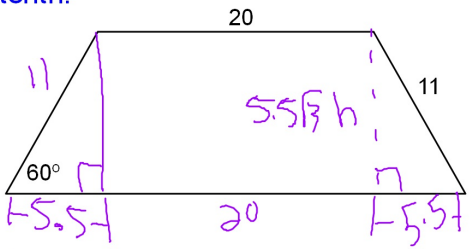
Bellwork Monday, May 5, 2014

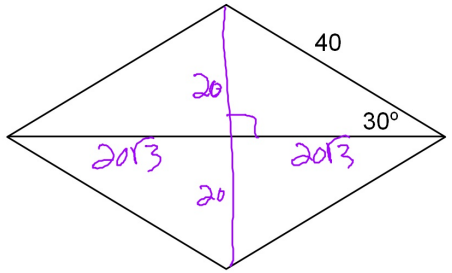
1. Find the area of this Isosceles Trapezoid to the nearest tenth.



$\frac{1}{2}(b_1+b_2)h = \frac{1}{2}(20+31)(5.5\sqrt{3})$

$A = 242.9$

2. Find the area of this Rhombus. If the answer is not an integer leave it in simplest radical form.

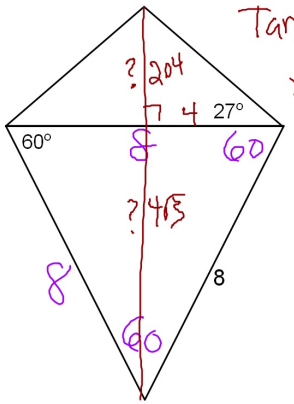


$\frac{1}{2} d_1 \cdot d_2$

$\left(\frac{1}{2}(40)(40\sqrt{3})\right)$

$800\sqrt{3}$

3. Find the area of this Kite to the nearest hundredth.



$\tan 27 = \frac{x}{4}$

$x = 2.04$

$\frac{1}{2} d_1 d_2$

$\frac{1}{2}(8)(2.04+4\sqrt{3})$

$A = 35.87$