

Warm-up 3/23/17

Simplify.

$$(1 - 2\sin^2 \theta)^2 + 4\sin^2 \theta \cos^2 \theta$$

$$(\cos 2\theta)^2 + (2\sin\theta \cos\theta)(2\sin\theta \cos\theta)$$

$$(\cos 2\theta)^2 + (\sin 2\theta)^2$$

1

Pg. 450 #1, 13

sin 200

$$\cos^2\left(\frac{t}{2}\right)$$

$$\left(\pm \sqrt{\frac{1+\cos t}{2}}\right)^2$$

$$\frac{1+\cos t}{2}$$

$$\frac{\frac{\cos}{\cos 1} + \frac{1}{\cos t}}{2}$$

$$\frac{2}{\cos t}$$

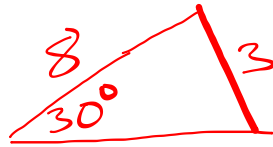
$$\frac{\cos t + 1}{\cos t} \cdot \frac{\cos t}{2}$$

$$\frac{1+\cos t}{2}$$

Pg. 451 #29, 53

$$2x = 30^\circ$$

$$x = 15^\circ$$

no  
triangle

$$\frac{\sin 30}{3} = \frac{\sin A}{8}$$

$$\sin A = \frac{8 \sin 30}{3}$$