Math 140 – Pre-Calculus Name_____
Section 5.5 Video Worksheet

Trigonometric Equations

$1-\cos\theta=\frac{1}{2}$

$2\sin^2\theta-1=0$

$\sin(3\theta)=-1$

$\tan(2\theta)=1$

$\tan\left(\frac{\theta}{2}\right)=\sqrt{3}$

$$\cos\left(2\theta\right)=\frac{1}{2}$$

$$\sin\left(3\theta+\frac{\pi}{18}\right)=1$$

$$2\cos^2\theta-7\cos\theta-4=0$$

$$\cos^2\theta-\sin^2\theta+\sin\theta=0$$

$$\cos\theta=-\sin\left(-\theta\right)$$