

Section 5-6 Continued

Solve the equation. (Use trig properties to transform the equation)

1. $\cos^2\theta - \sin^2\theta = -1$ $\theta \in [0, 360^\circ]$

2. $\frac{2\tan x}{1-\tan^2 x} = \sqrt{3}$ $x \in [0, 2\pi]$

3. $\sqrt{\frac{1}{2}(1 - \cos\theta)} = 1$ $\theta \in [0, 720^\circ]$