

Warm-up<sup>#3</sup> - Solving Basic Trig Equations:

1.  $5\sec^2 x - 6 = 2 + \sec^2 x$

$$4\sec^2 x = 8$$

$$\sqrt{\sec^2 x} = \sqrt{2}$$

$$\sec x = \pm\sqrt{2}$$

$$\cos x = \pm\frac{1}{\sqrt{2}}$$

$$\cos x = \pm\frac{\sqrt{2}}{2}$$

$$x = \frac{\pi}{4}, \frac{3\pi}{4}, \frac{5\pi}{4}, \frac{7\pi}{4}$$