



## 7.6 Solving Quadratic Trigonometric Equations

"I can solve for the unknown angle(s) in any quadratic trigonometric equation.  
I realize that I may need to apply previously established identities to do so.  
I can apply what I have learned in unfamiliar settings."

Ex. 1: Solve for  $x$  in the interval  $0 \leq x \leq 2\pi$ . (Round all final answers to the nearest hundredth.)

$$2\sec^2 x - 5 \tan x = 5$$