Unit 13: Solving Trigonometric Equations

Content Area: **Mathematics**
Course(s): **PreCalc Trig H**
Time Period: **Semester 2**
Length: **1 week**
Status: **Published**

Standards - NJCCS/CCSS

CCSS.Math.Content.HSF-TF.B.7	Use inverse functions to solve trigonometric equations that arise in modeling contexts; evaluate the solutions using technology, and interpret them in terms of the context.

Enduring Understandings

The fundamental trigonometric identities can be used to solve trigonometric equations.

Essential Questions

What strategies can we use to solve a trigonometric equation?
When is it imperative to check all solutions?
When do we only need to check quadrant angles?

Knowledge and Skills

SWBAT solve trignometric equations.

Resources

Trigonometry

Authors: Lial, Hornsby, Schneider

Graphing Calculator

www.desmos.com

www.flipgrid.com

www.graphfree.com