

# 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

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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

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

## Essential Questions

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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

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SWBAT solve trigonometric equations.

## Resources

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Trigonometry

Authors: Lial, Hornsby, Schneider

Graphing Calculator

[www.desmos.com](http://www.desmos.com)

[www.flipgrid.com](http://www.flipgrid.com)

