# Unit 07: Trigonometry Using Calculators

Content Area: **Mathematics**
Course(s): **PreCalc Trig H**
Time Period: **Semester 1**
Length: **3 days**
Status: **Published**

## Standards - NJCCS/CCSS

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|---|---|
| CCSS.Math.Content.HSF-TF.A.1 | Understand radian measure of an angle as the length of the arc on the unit circle subtended by the angle. |
| CCSS.Math.Content.HSF-TF.A.2 | Explain how the unit circle in the coordinate plane enables the extension of trigonometric functions to all real numbers, interpreted as radian measures of angles traversed counterclockwise around the unit circle. |

## Enduring Understandings

Calculators can be used to solve trigonometric equations and simplify trigonometric expressions.

## Essential Questions

How can you evaluate a trigonometric expression on the calculator?

How can you solve a trigonometric equation on the calculator?

## Knowledge and Skills

SWBAT simplify trigonometric expressions.
SWBAT evaluate trigonometric expressions using a calculator.
SWBAT solve trigonometric equations using a calculator.

## Resources

Trigonometry

Authors: Lial, Hornsby, Schneider

Graphing Calculator

www.desmos.com

www.flipgrid.com

www.graphfree.com