

Weekly Math Practice

This is an overview course that focuses on some of the most important ideas in Trigonometry, namely working with the Pythagorean Theorem, Trigonometric Identities, Laws of both Sines and Cosines, and exploring the properties unique to Right Angle Triangles.

Below are the assignments for this entire set of sessions. If you'd like more time on any of the assignments below, please do! Take your time with this content and enjoy learning.

For every session, you will begin with a math lesson from the teacher (you may watch live or recorded). Following this lesson, complete the assignments below.

Again, this is just a short introduction to the world of triangles, so enjoy this special bonus course and have fun!

Math Assignments for All Sessions #1-4:

We'll begin by reviewing angles and properties of triangles. Then we'll dive into the world of positive and negative numbers, learning how to add and subtract integers on both sides of zero.

Session #1:

- [Trigonometry Workbook](#) (pages 1-15)
- Math Activity: [Scavenger Hunt](#) (Coordinate Plane)

Session #2:

- [Trigonometry Workbook](#) (pages 16-21)
- [Trigonometry Guided Notes](#) (Part 1: pages 1-11)
- Math Activity: [Sum 'Em Up](#)

Session #3:

- [Trigonometry Guided Notes](#) (Part 2: pages 12-19)
- Math Activity Review: [8 Stations](#) (Pythagorean Theorem only, no trig functions)

Session #4:

- [Trigonometry Workbook](#) (pages 22-24)
- [Trigonometry Guided Notes](#) (Part 3: pages 20-22)
- Bonus Civil Engineering Labs (No handout needed)

Bonus! Work on the Math Challenge: [Seven Geometry Puzzles](#) during all four sessions.