

Grade 9 - 10

Distance Learning Module 6: Week of: May 11th - May 15th

Mathematics: Geometry Honors - Modified from [Unit E - Right Triangles](#) (Trig Ratios)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Trig Ratios, Trig Word Problems

Vocabulary: Sine, Cosine, Tangent, Angle of Elevation, Angle of Depression

Skills: Finding the length of the side/ angle of a right triangle using trig ratios.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: 9.9 Intro to Trig	Intro Trig Video	9.9 Book Work Page 420 # 4-6, 12-15
Tuesday: 9.9 Intro to Trig	Intro to the trigonometric ratios (video) Trigonometric ratios in right triangles (video)	Hypotenuse, opposite, and adjacent (article) Right triangle trigonometry review (article)
Wednesday: 9.10 Trig Ratio & Word Problems	Angle of Depression Angle of Elevation	9.10 Book Work Page 426 # 8-18
Thursday: 9.10 Trig Ratio & Word Problems	Right triangle word problem (video) Angles of elevation and depression (article)	Right triangle trigonometry word problems (practice)
Friday: Wrap up/Review	Live Session Review Document	Google Form

Week criteria for success (attach student checklists or rubrics):

- Apply the Trig Ratios to find angles and sides.
- Using Trig Ratios with word problems.

Supportive resources and tutorials for the week (plans for re-teaching): Khan Academy, Kuta Software worksheets, Office Hours