

Grade 10

Distance Learning Module 10: Week of: June 8<sup>th</sup> – June 12<sup>th</sup>

### Geometry Level 3 -Basic Trigonometry

#### Targeted Goals from Stage 1: Desired Results

**Content Knowledge:** right triangle trigonometry

**Vocabulary:** trigonometry, sine, cosine, tangent, inverse sine, inverse cosine, inverse tangent

**Skills:** Evaluating trig functions and inverse trig functions for acute angles

#### Expectation:

Description of Tasks	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Intro to right triangle trig and the tangent function	Slides: mini trig chapter #'s 2-7 -	HW: Tangent problems
Tuesday: sine and cosine function	Khan academy video: trig Slides: mini trig chapter #'s 8-12	Khan Academy practice
Wednesday: Applications of trig functions	Slides: mini trig chapter #'s 13-15	HW: Application problems
Thursday: Inverse trig functions	Slides: mini trig chapter #'s 16-24	HW: Inverse trig problems
Friday: review of probability	Slides: mini trig chapter	Graded assessment

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

- Students will be able to find the trig ratios for acute angles
- Students will be able to find the acute angles associated with inverse trig functions
- Students will be able to solve application problems involving right triangle trigonometry

**Supportive resources and tutorials for the week** (plans for re-teaching):

Slides: mini trig chapter

Office hours

Extra help sessions