Grade 9-10
Distance Learning Module 4 - Week of: 4/20/2020 - 4/24/2020

Mathematics: Geometry Honors - *Modified from Unit E - Right Triangles*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: simplifying radicals, the pythagorean theorem, distance formula, altitude/hypotenuse leg theorems

Vocabulary: altitude, hypotenuse, distance, pythagorean theorem, square root

Skills: simplifying rational numbers, solving quadratic equations, identify the relationship between the parts of a right triangle when altitude is drawn to the hypotenuse.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: 9.3 Altitude on Hypotenuse	Altitude Leg Video Hypotenuse Leg Video	Bookwork: Page 379-380 #s 1 and 3
Tuesday: 9.3 Altitude on Hypotenuse	Alt on Hyp Worksheet	Upload Worksheet
Wednesday: 9.4 Pythagorean Theorem	Khan Video - Intro to the Pythagorean Theorem Khan Video - Pythagorean Theorem Example2	Khan Practice - Use Pythagorean theorem to find right triangle side lengths Khan Practice - Right triangle side lengths
Thursday: 9.6 Pythagorean Triples Triples	First 4 Triples - 3,4,5 / 5,12,13 / 7,24,25, / 9,40,41 4 triples WS	Bookwork: Page 401 1 a,b, 2 a,b 3 a,b 5 a,b
Friday: Wrap up and Review	Zoom Review Lesson Fix Mistake WS	Fix Mistake WS

Week criteria for success (attach student checklists or rubrics): By the end of this module, students will be able to:

- Apply the Altitude on Hypotenuse Theorems to find the missing length.
- Apply the Pythagorean Theorem to find the missing side, and find out if the triangle is right, acute, or obtuse.
- Recognize Pythagorean Triples, and the patterns.

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

Extra Radical Review WS

Extra Alt-Hyp Leg Thms WS