Grade 10
Distance Learning Module 3 - Week of: April 13-April17

Mathematics: *Geometry Level 3 – Modified from* [Unit D - Quadrilaterals](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: the definition of each quadrilateral, properties of special quadrilaterals and the properties of parallelograms in depth, all area formulas are based on length times width (with some modification)

Vocabulary: quadrilateral, parallelogram, rectangle, rhombus, square, trapezoid, isosceles trapezoid, kite

Skills: applying the properties of parallelograms, applying the properties of special quadrilaterals, finding the area of quadrilaterals

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Quadrilateral tree	slides #29-30	4.2 summary chart and quiz - students take picture of quiz and turn it in
Tuesday: Properties of parallelograms	slides # 31-38 smartboard notes	4.3 HW
Wednesday: Proving parallelogram property: if a quadrilateral is a parallelogram, then opposite sides are congruent and if a quadrilateral has opposite sides that are congruent then it is a parallelogram	slides # 39 Watch video Khan Academy Video	Draw a picture of a quadrilateral that must be a parallelogram based on the property just proven. Draw a picture of a quadrilateral that cannot be a parallelogram based on the property just proven. Take a picture and submit.
Thursday: parallelogram property: if a quadrilateral is a parallelogram, then opposite	slides # 40	Khan academy lesson

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angles are congruent and if a quadrilateral has opposite angles that are congruent then it is a parallelogram	Watch video: Khan Academy	
Friday: 5 ways to prove quadrilaterals are parallelograms	slides # 41-47 Smartboard notes	Homework: Parallelogram or not?Take a picture and submit

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

By the end of this unit, students will be able to identify special quadrilaterals, prove quadrilaterals are parallelograms, calculate the areas of quadrilaterals

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

Office hours, posted smartboard notes, Khan academy videos