Grade 10
Distance Learning Module 5 - Week of: April 27-May 1

Mathematics: *Geometry Level 3 – Modified from Unit E Circles*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: whether a quadrilateral can be inscribed in a circle, arc length and sector area are proportional to the circumference and area of a circle, respectively, the standard form of the equation of a circle

Vocabulary: circle, center, radius, diameter, central angle,, inscribed polygon

Skills: Inscribing polygons in circles, finding circumference and area of circles, determining arc length and sector area, writing the equation of a circle in standard form

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Inscribed angles	Google Slides #30-35 Khan Academy: inscribed angles	Khan Academy inscribed angles practice
Tuesday: Inscribed polygons	Khan video: Right triangles inscribed in circles Khan video: Inscribed quadrilateral Google slides: 36-44	HW 5.2 Inscribed polygons
Wednesday: Area and Circumference	Khan video: Circumference of a circle Khan video: Area of a circle Google slides: 45-47	HW: 5.3 Circumference and area
Thursday: Arc Length	Khan video: Arc length Google slides: 48-52	HW: 5.4 Arc Length
Friday Sector area	Khan video: Sector area Google slides: 53-69	HW: 5.5 Sector area

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

- Students can predict which polygons can be inscribed in a circle
- Students can calculate the circumference and area of circles and use those calculations to find arc length and sector area
- Students can write the equation of a circle given its center and its radius

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

Office hours

Google slides

Khan videos