Grade 10-11
Distance Learning Module 8: Week of: May 26th – May 29th

Pre-Calculus Honors - *Modified from [Unit F - Topics in Analytic Geometry](#)*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Derive the equation of a parabola given a focus and directrix.

Vocabulary: Parabola, Focus, Directrix

Skills: determining the distance between a point and a line, analyzing the equations for the conic sections, and determining equations of the conic sections

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday:	Memorial Day	No School
Tuesday: Parabolas	Khan Academy video: Intro to Conic Sections Khan Academy video: Equation of a parabola from focus & directrix	Khan Academy practice: Equation of a parabola from focus & directrix
Wednesday: Check-in	Optional drop-in class 9:00-11:00	Read section 10.2
Thursday: Parabolas	Khan Academy video: Focus & directrix of parabola from equation Khan Academy : Parabola focus & directrix review	Textbook p. 740, #5-29 eoo, 15,19,23,27
Friday: Check-in	Virtual Class	Review concepts and homework.

Week criteria for success (attach student checklists or rubrics): Students will be able to determine the elements of a parabola from its equation and write the equation of a parabola from its characteristics.

Supportive resources and tutorials for the week (plans for re-teaching): Khan Academy, Precalculus with Limits by Larson and Hostetler, virtual class meetings