Grade 12
Distance Learning Module 4: Week of: 04/20th – 4/24th

Mathematics: Introduction to Calculus - *Modified from Unit C - Derivatives*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Linear Approximation and L'Hopital's Rule

Vocabulary: Slope, tangent line, limit

Skills: Using Linear Approximation to determine the slope and equation of a tangent line. Using L'Hopital's Rule to determine the limit of complex functions.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Introduction to Linear Approximation	Class Notes - Linear Approximation Paul Birdsall altervista – The Power Rule	Khan Academy Practice - Linear Approximation (link posted in Google classroom)
Tuesday: Applying Linear Approximation	Class Notes - Linear Approximation Paul Birdsall altervista – The Power Rule	Worksheet - Linear Approximation (posted in Google classroom)
Wednesday: Introduction to L'Hopital's Rule	Class Notes - L'Hopital's Rule Paul Birdsall altervista – The Power Rule	Khan Academy Practice - L'Hopital's Rule (link posted in Google classroom)
Thursday: Applying L'Hopital's Rule	Class Notes - L'Hopital's Rule Paul Birdsall altervista – The Power Rule	Worksheet - L'Hopital's Rule (posted in Google classroom)
Friday: Wrapping up Module 4	Khan Academy Video L'Hôpital's rule: limit at 0 example - (link	Khan Academy Quiz - L'Hopital's Rule (link posted in Google classroom)

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
	posted in Google classroom)	

Week criteria for success (attach student checklists or rubrics): Students will be able to use Linear Approximation to determine the slope and equation of a tangent line. Student will also be able to use L'Hopital's Rule to determine the limit of complex functions.

Supportive resources and tutorials for the week (plans for re-teaching): Khan Academy, worksheets, office hours