Mr. Kovacs – Lesson Plans – December 11th – 15th

	Algebra 2 – 1st, 6th Hour	Algebra 1 (EL) – 2nd Hour	Precalculus – 3rd, 4th Hour
Mon. 12/11	Quadratic Functions Group Activity – Modeling Area	Rate of Change and Slope Partner Activity – Slopes from Graphs	Section 7-6: Double-Angle and Half-Angle Formulas Notes / Examples **Simplifying Trig Expressions (CK-12)**
Tue. 12/12	Quadratic Functions Maxima and Minima Notes	Section 4-2: Rate of Change & Slope **Assignment #21:** Practice Worksheet 4-2	Section 7-6: Double-Angle and Half-Angle Formulas **Assignment #17:** Pg. 548 (old book); 1-4, 17, 35-37
Wed. 12/13	Quadratic Functions **Assignment #21:** Maxima / Minima Worksheet	Section 4-2: The Slope Formula Exploration 4-2 / Pg. 222-224; Examples	Introduction to the Polar Coordinate System
Thu. 12/14	Questions – Check Assignment #21	Section 4-2: The Slope Formula **Assignment #22:** 'Tis the Season for the Slope Formula	Chapter 9 – Polar Coordinates and Vectors Section 9-1: Polar Coordinates **Assignment #18:** Polar Coordinates Worksheet
Fri. 12/15	Quadratic Functions – Maxima and Minima CK-12 (5-point Assessment)	Work On / Finish Assignment #22 Slope Simulator	Questions Assignment #18 / Examples of Polar Graphs
	Power Standard Use the method of completing the square to transform quadratic equations to vertex form. (A.REI.B.4a)	**Power Standard** Calculate and interpret the average rate of change of a function over a specified interval. Estimate the rate of change from a graph. (F.IF.B.6)	**Power Standard** Represent and model with vector quantities. (N.VM)
	Learning Targets Use completing the square to write quadratic functions in vertex form. Solve quadratic equations by completing the square.	**Learning Targets** Identify slope from a graph. Find slope from two points.	**Learning Targets** Convert between rectangular and polar coordinates. Plot polar coordinates on a polar plane.