

St. Matthew Catholic School

**Subject: Advanced Algebra PLUS
(Extensive Review of Algebra I and Selected Topics of Algebra II)**

Teacher: Mr. Motamed

Unit 02 – Write, Graph, Analyze Linear Functions

<i>Timeline:</i>	<i>Standards</i>	<i>Content</i>	<i>Skills</i>	<i>Assessment</i>	<i>Instructional Strategies & Resources</i>
September 21 to October 31, 2012	CA2: 24	Functions	-- Identify Function and non-function. -- Use Vertical Line Test -- Find Domain and Range of a function	-- Informal QA in the class -- Daily single question and discussion -- Successfully complete and turn in HW's	-- Text Books, Algebra 1 Chapter 4 and 5 Algebra 2 Chapter 2 -- Worksheets -- Mr. Motamed's website: www.MrMTeaching Math.com -- Class Notes (posted)
	CA2: 2	Rate of Change or Slope Slope of Horizontal Line Slope of Vertical Line Slope of Parallel Lines Slope of Perpendicular Lines	-- Evaluate function -- Calculate slope of given line (mathematically or graphically) -- Identify Horizontal and vertical Lines -- Find slope of parallel and perpendicular lines	-- Successfully complete Quizzes -- Successfully complete unit assessment -- Successfully complete assignments and test on Matheletics	-- Extensive Mixed Review -- Worksheets from Punch line Algebra, Marcy Mathworks
	CA1: 7	Write and Graph Equation of a line in: Slope-Intercept, Point-Slope, Standard form. Translation of a linear function Direct Variation function Absolute Value Function	-- Write direct variation model for a related word problem and calculate / identify constant of variation Graph and identify domain and range for given absolute value function		-- Matheletics

CA1= California Content Standards and Assessment for Algebra 1
CA2 = California Content Standards and Assessment for Algebra 2

Text Books:
Algebra I, Concepts and Skills, Mc Dougal Littell, Larson, Boswell, Knold, Stiff
Algebra II, McDougal Littell, Larson, Boswell, Knold, Stiff