

St. Matthew Catholic School	Subject: Algebra I (HS Algebra 1,2)	Teacher: Mr. Boegel Mr. Motamed
	Unit 07 – Introduction to Radical Expressions and Functions	

<i>Timeline:</i>	<i>PEARL, Character Traits</i>	<i>Common Core Standards</i>	<i>"I Can" Statements</i>	<i>Content</i>	<i>Skills</i>	<i>Assessment</i>	<i>Instructional Strategies & Resources</i>
May 26 to June 6, 2014	6 L3 P1 Compassion Integrity Sincerity Being Safe Selflessly Helpful Respectful Responsible Building Friendships Caring Active Christian Not giving up Persevering	F-LE 2 (Exponential Function)	-- I can write and evaluate simple radical expressions such as square roots. -- I can write equivalent radical expressions -- I can apply Pythagorean theorem and solve for missing side length of a right triangle. -- I can use 'distance formula' and calculate the distance between two points. -- I can calculate, plot mid-point of a line segment. -- I can complete square of polynomial expression.	Solve square root equations. Write / simplify square root expressions. Rationalize square root expressions when necessary. Apply Pythagorean Theorem Calculate distance between two given points Calculate mid-point given the end points Complete square	-- Solve, evaluate simple square roots equations by squaring both sides. -- Simplify square root when multiplying, dividing, or raising to a power. -- Calculate side length of a leg or the hypotenuse of a right triangle -- Calculate distance and mid-point of line segment given the end points. Complete square, review of Special Polynomials, and factor the expression	-- Informal QA in the class -- Daily single question and discussion -- Successfully complete and turn in HW's (~ 1 to 2 per week) -- Successfully complete Quizzes -- Successfully (~ 1 per week) complete unit assessment (~ 1 per month) -- Quizzes and Tests are designed to evaluate, reinforce and provide feedback on all the skills stated in this unit.	-- Text Book, Chapter12 -- Worksheets (posted) -- Mr. Motamed's website: www.MrMTeaching.com -- Class Notes (posted) -- Mixed Review -- Worksheets from Punch line Algebra, Marcy Mathworks -- Math Circle -- Peer-Peer Teaching

EE= Expressions and Equations SSE= Seeings Structure in Expression CED= Creating Equation REI= Reasoning with Equations and Inequalities RP= Ratios and Proportional Relationships
Text Book: Mathematics Concepts and Skills, Course 1; Larson, Boswell, Kanold, Stiff; McDougal Littell