MCR3U

Unit 1: Functions

F1: Demonstrate an understanding of functions, their representations, and their inverses, and make connections between the algebraic and graphical representations of functions using transformations.

F2 Determine the zeros and the maximum or minimum of a quadratic function, and solve problems involving quadratic functions, and solve problems involving quadratic functions, including problems arising from real-world applications

F3 Demonstrate an understanding of equivalence as it relates to simplifying polynomial, radical and rational expressions

Lesson	**Topic**	Homework
1.0	Prerequisite skills	Review Stations p. 2 #1-8 (do what is hardest)
1.1	Functions, Domain, and Range	p. 34 # 1, 2, 3, 5, 9abc, 10, 12 (Use Desmos for #12)
1.2	Functions and Function Notation	p. 23 # 4, 8, 10 + Handout
1.3	Factoring	Handout
1.4A	Maximum or Minimum of a Quadratic Function – Completing the Square	p. 153 #1, 4 (only complete the square), 8
1.4B	Maximum or Minimum of a Quadratic Function – Partial Factoring	Handout (#1acdf,2def, Problems 1-2)
1.5A	Working with Radicals	p. 167 # 1-7, 15ab, 16
1.5B	Working with Radicals – Extend	Handout
1.6	Solve Quadratic Equations	p. 177 # 1, 2, 4, 5, 10, 13
1.7A	Determining a Quadratic Equation given its roots	p. 192 # 2, 4, 5, 6, 8, 10
1.7B	Quadratic Applications	p. 177 # 1, 2, 7, 9, 12, 14, 16
1.8	Solving Linear and Quadratic Systems	p. 198 # 1a, 2ab, 3, 4, 8, 10, 11
	Review	Practice Test & Review Stations

Test Date: