

Essential Skills:

- Determine the Maximum/Minimum
 - by factoring
 - by completing the square with fractions
 - by partial factoring
- Determine the number of zeros
 - by factoring
 - by visualizing a sketch
 - by calculating the discriminant
- Solve a quadratic equation using radicals
- Determine the equation of a quadratic given the roots and another point, using radical values
- Using function notation, solve problems arising from real-world applications involving
 - max/min
 - roots
 - inequalities
- Solve a problem involving the intersection of a quadratic function with a linear function

Day	Title	Homework	Done ✓
1	Radicals	Pgs. 106-107 #1-4 Pgs. 139-141 #1ae, 2ae, 3-odds, 4aceg, 5bfjm, 12, 14 U1D1 Worksheet is Extra Practice	
X	Rationalizing Denominator (OPTIONAL)	X Page 140 5gikln, 6aefjk, 7bdfhj, 12, 14	X
2	Functions vs. Relations, Domain & Range, & Function Notation	Pgs. 178-181 #1-2, 3acd, 4, 5, 6a, 7a, 8a, 9a, 10a, 12cd, 14, 17, 25, 29 U2D2 Worksheet Function Notation	
3	Review Properties of Quadratic Functions (three forms) & & Partial Factoring	U2D3 Worksheet Quadratic Functions	
4	Maximums and Minimums	U2D4 Worksheet Maximums & Minimums	
5	Solving Quadratic Equations	U2D5 Worksheet Quadratic Equations	
6	Real World Application of Quadratics	U2D6 Worksheet Applications	X
7	QUIZ (No calculator for radical part) & Work Period	Catch up on Homework	
8	Solving Inequalities (Linear and Quadratic)	U2D8 Worksheet Inequalities	
9	Zeros of Quadratics & Nature of Roots	U2D9 Worksheet Zeros & the Discriminant	
10	Linear Quadratic Systems	U2D10 Worksheet Quadratic Systems	
11	Families of Quadratic Functions (Discuss 2-6a)	U2D11 Worksheet Quadratic Families	
12	Review	U2D12 Worksheet Quadratics Review	
13	TEST		

PLEASE NOTE!

If you are absent for a quiz or test you must write it your first day back at school whether or not you have a Math class that day. Please come to room 540 at lunch or during your spare.

MCR 3UI

Unit 2: Quadratics

You are expected to write the quizzes on the scheduled day, even if you miss a class before the quiz...it is your responsibility to catch up and be prepared on time.