Secondary 3 Quarter 1 Syllabus

Section	Assignment	Objective	Confidence
Unit 1 – Factoring and Solving			
1-1 Greatest Common Factors	HW 1-1	**1-1a:** I can factor using a greatest common factor. **1-1b:** I can solve multi-step equations. **1-1c:** I can solve equations by factoring.	1 2 3 4 1 2 3 4 1 2 3 4
1-2 Factoring Quadratics	HW 1-2	**1-2a:** I can factor a polynomial expression by grouping. **1-2b**: I can factor a trinomial. **1-1c:** I can solve equations using factoring.	1 2 3 4 1 2 3 4 1 2 3 4
1-3 Factoring Quadratics Completely	HW 1-3	**1-3a:** I can factor difference of squares binomials. **1-3b:** I can factor expressions using multiple factoring methods. **1-1c:** I can solve equations using factoring.	1 2 3 4 1 2 3 4 1 2 3 4
1-4 Solving Practice	HW 1-4	**1-4a:** I can use different methods to solve equations.	1 2 3 4
Review and Unit 1 Assessment			
Corrections			
Unit 2 - Functions and Attributes			
2-1 Parent Functions	HW 2-1	**2-1a:** I can identify and graph linear, absolute value, quadratic, cubic, and exponential parent functions. **2-1b:** I can determine and apply attributes such as: domain, range, increasing, decreasing, max, min, and end behavior from a function.	1 2 3 4 1 2 3 4
2-2 Transformations	HW 2-2	**2-2a:** I can identify transformations from an equation and from a graph. **2-2b:** I can graph linear, absolute value, quadratic, cubic, and exponential functions using transformations. **2-3c:** I can write the equation of linear, absolute value, quadratic, and cubic functions from a graph.	1 2 3 4 1 2 3 4 1 2 3 4
2-3 Piece-wise Functions	HW 2-3	**2-3a:** I can graph a piece-wise function. **2-3b:** I can write the equation of a piece-wise function.	1 2 3 4 1 2 3 4
Review and Unit 2 Assessment			
Corrections			
Unit 3 - Radicals			
3-1 Simplifying Radicals	HW 3-1	**3-1a:** I can simplify a radical expression. **3-1b:** I can convert between radical and exponential form.	1 2 3 4 1 2 3 4
3-2 Operations with Radicals	HW 3-2	**3-2a:** I can multiply radical expressions. **3-2b:** I can add and subtract radical expressions.	1 2 3 4 1 2 3 4
3-3 Solving Radical Equations	HW 3-3	**3-3a:** I can solve radical equations and check for extraneous solutions.	1 2 3 4
3-4 Graphing Radical Equations	HW 3-4	**3-4a:** I can graph a radical function by hand. **3-4b:** I can identify the transformations of a radical function. **3-4c:** I can write the equation of a radical function given a graph.	1 2 3 4 1 2 3 4 1 2 3 4
Review and Unit 3 Assessment			
Corrections			
Review	Review 1		

Quarter 1 Final
Corrections

Secondary 3 Quarter 1 Questions

Section	Assignment	What Questions do I still have?
Unit 1 - Radical Functions		
1-1 Greatest Common Factors	HW 1-1	**1-1a:** **1-1b:**
1-2 Factoring Quadratics	HW 1-2	**1-2a:**
1-3 Factoring Quadratics	HW 1-3	**1-3a:**
Review and Formative Assessment 1		
Unit 2 - Functions and Attributes		
2-1 Parent Functions	HW 2-1	**2-1a:** **2-1b:**
2-2 Transformations	HW 2-2	**2-2a:** **2-2b:**
2-3 Piece-wise Functions	HW 2-3	**2-3a:** **2-3b:**
Review and Formative Assessment 2		
Unit 3 - Radicals		
3-1 Operations with Radicals	HW 3-1	**3-1a:** **3-1b:** **3-1c:**
3-2 Operations with Radicals	HW 3-2	**3-2a:**
3-3 Solving Radical Equations	HW 3-3	**3-3a:**
3-4 Graphing Radical Equations	HW 3-4	**3-4a:** **3-4b:**
Review and Formative Assessment 3		