Secondary 3 Honors Quarter 1 Syllabus

Section	Assignment	Objectives	Confidence
Unit 1			
1-1 Radical Functions and Transformations	HW 1-1	**1-1a:** I know the parent function graphs **1-1b:** I can analyze key attributes of a graph **1-1c:** I can graph square and cube root functions with and without transformations	1 2 3 4 1 2 3 4 1 2 3 4
1-2 Solving Radical Equations	HW 1-2	**1-2a:** I can solve radical equations and check for extraneous solutions	1 2 3 4
1-3 Piece-wise	HW 1-3	**1-3a:** I can graph a piece-wise function **1-3b:** I can write an equation of a piece-wise function	1 2 3 4 1 2 3 4
Unit Assessment 1			
Corrections			
Unit 2			
2-1 Series	HW 2-1	**2-1a:** I can write a function for a geometric sequence **2-1b:** I can write a series with sigma notation **2-1c:** I can solve problems involving series	1 2 3 4 1 2 3 4
2-2 Exponential Functions	HW 2-2	**2-2a:** I can model and solve real-world situations using exponential functions **2-2b:** I can solve an exponential equation by graphing	1 2 3 4 1 2 3 4
2-3 Graphing Exponentials	HW 2-3	**2-3a:** I can graph exponential functions given an equation **2-3b:** I can identify key attributes from an equation or graph	1 2 3 4 1 2 3 4
Unit Assessment 2			
Corrections			
Unit 3			
3-1 Evaluating Logarithms	HW 3-1	**3-1a:** I understand that a logarithm is the inverse of an exponential **3-1b:** I can convert between a logarithm and exponential form **3-1c:** I can evaluate logarithms	1 2 3 4 1 2 3 4 1 2 3 4
3-2 Properties of Logarithms	HW 3-2	**3-2a:** I can use properties of logs to simplify and evaluate logs **3-2b:** I can use properties to expand and condense logs	1 2 3 4 1 2 3 4
3-3 Solving Logarithmic Equations	HW 3-3	**3-3a:** I can solve exponential and logarithmic equations	1 2 3 4
3-4 Graphing Logarithms	HW 3-4	**3-4a:** I can graph logarithmic functions by hand **3-4b:** I can identify the transformations of a logarithmic function **3-4c:** I can identify the asymptote of a logarithmic function	1 2 3 4 1 2 3 4 1 2 3 4
Unit Assessment 3			
Corrections			
Review			
Summative Assessment			