

## Secondary 3 Honors Quarter 3 Syllabus

Section	Assignment	Objectives	Confidence
<b>Unit 7</b>			
7-1 Rational Graphs	HW 7-1	<ul style="list-style-type: none"> <li>I can analyze the graph of rational functions</li> <li>I can identify the transformations of a given function and sketch a graph</li> <li>I can write a rational equation given a graph</li> </ul>	
7-2 Asymptotes and Rational Functions	HW 7-2	<ul style="list-style-type: none"> <li>I can find the x and y intercepts, vertical and horizontal asymptotes, and holes of a rational function</li> <li>I can graph a rational function by hand</li> </ul>	
7-3 Rational Inequalities	HW 7-3	<ul style="list-style-type: none"> <li>I can solve rational inequalities algebraically and graphically</li> </ul>	
<b>Review and Formative Assessment 7</b>			
<b>Unit 8</b>			
8-1 Sequences	HW 8-1	<ul style="list-style-type: none"> <li>I can write geometric and arithmetic sequences using recursive and explicit forms</li> <li>I can calculate terms of sequences</li> </ul>	
8-2 Series	HW 8-2	<ul style="list-style-type: none"> <li>I can write a series with sigma notation</li> <li>I can solve problems involving series</li> </ul>	
8-3 Exponential Functions	HW 8-3	<ul style="list-style-type: none"> <li>I can apply exponential properties and use them</li> <li>I can model and solve real-world situations using exponential functions</li> </ul>	
8-4 Graphing Exponentials	HW 8-4	<ul style="list-style-type: none"> <li>I can graph exponential functions given an equation</li> <li>I can identify key features from an equation or graph</li> </ul>	
<b>Review and Formative Assessment 8</b>			
<b>Unit 9</b>			
9-1 Evaluating Logarithms	HW 9-1	<ul style="list-style-type: none"> <li>I understand that a logarithm is the inverse of an exponential</li> <li>I can verify an inverse function using composition</li> <li>I can convert between a logarithm and exponential form</li> </ul>	
9-2 Properties of Logarithms	HW 9-2	<ul style="list-style-type: none"> <li>I can use properties of logs to simplify and evaluate logs</li> <li>I can use the change of base formula</li> </ul>	
9-3 Solving Logarithmic Equations	HW 9-3	<ul style="list-style-type: none"> <li>I can solve exponential and logarithmic equations</li> </ul>	
9-4 Graphing Logarithms	HW 9-4	<ul style="list-style-type: none"> <li>I can graph logarithmic functions by hand</li> <li>I can identify the transformations of a logarithmic function</li> <li>I can identify the asymptote of a logarithmic function</li> </ul>	
<b>Review and Formative Assessment 9</b>			
Review	Review 1		
Review	Review 2		
<b>Summative Assessment</b>			