## Secondary 3 Honors Quarter 1 Syllabus

| Section | Assignment | Objectives | Confidence |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Unit 1 |  |  |  |  |  |  |
| 1-1 Radical <br> Functions and <br> Transformations | HW 1-1 | 1-1a: I know the parent function graphs <br> 1-1b: I can analyze key attributes of a graph <br> 1-1c: I can graph square and cube root functions with and without transformations |  | $\begin{aligned} & \hline 2 \\ & 2 \\ & 2 \end{aligned}$ | 3 3 3 | 4 4 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 <br> $\mathbf{1 - 3 b}$ : I can write an equation of a piece-wise function |  | $\begin{aligned} & \hline 2 \\ & 2 \end{aligned}$ | 3 <br> 3 | 4 <br> 4 |
| Unit Assessment 1 |  |  |  |  |  |  |
| Corrections |  |  |  |  |  |  |
| Unit 2 |  |  |  |  |  |  |
| 2-1 Series | HW 2-1 | 2-1a: I can write a function for a geometric sequence <br> $\mathbf{2 - 1 b}$ : I can write a series with sigma notation <br> 2-1c: I can solve problems involving series |  | $\begin{aligned} & \hline 2 \\ & 2 \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & 3 \end{aligned}$ | 4 |
| 2-2 Exponential Functions | HW 2-2 | 2-2a: I can model and solve real-world situations using exponential functions <br> 2-2b: I can solve an exponential equation by graphing |  |  | 3 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 |  | $\begin{aligned} & 2 \\ & 2 \end{aligned}$ | $3$ | 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 <br> 3-1b: I can convert between a logarithm and exponential form <br> 3-1c: I can evaluate logarithms |  | $2$ $2$ $2$ | 3 | 4 4 4 |
| 3-2 Properties of Logarithms | HW 3-2 | 3-2a: I can use properties of logs to simplify and evaluate logs <br> 3-2b: I can use properties to expand and condense logs |  |  | 3 3 | 4 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 <br> $\mathbf{3 - 4 b}$ : I can identify the transformations of a logarithmic function <br> 3-4c: I can identify the asymptote of a logarithmic function |  | $\begin{aligned} & \hline 2 \\ & 2 \end{aligned}$ $2$ | $\begin{aligned} & \hline 3 \\ & 3 \\ & \\ & 3 \end{aligned}$ | 4 4 4 |
| Unit Assessment 3 |  |  |  |  |  |  |
| Corrections |  |  |  |  |  |  |
| Review |  |  |  |  |  |  |
| Summative Assessment |  |  |  |  |  |  |

