

<b>Pre-Caclulus 1: List of Topics &amp; <i>Hopeful</i>** Timeline</b> (section numbers are from the 3 <sup>rd</sup> Edition)		
<b>Week</b>	<b>Topics</b>	<b>Textbook sections</b>
<b>1</b>	<b>M:</b> Algebra and Geometry Essentials Solving Equations and Inequalities <b>W:</b> Relations and Functions, Properties of fxns Library of functions/Piecewise defined fxns	<b>Appendix A Review: Section A.1 and A.2</b> <b>Appendix A Review Section A.8 and A.10</b> <b>Sections 1.1-1.3</b> <b>Sections 1.4</b>
<b>2</b>	<b>M:</b> Direct and Inverse Variation Linear fxns and Linear Models <b>W:</b> Polynomials and Factoring Zeros of Quadratic Functions	<b>Section 1.7</b> <b>Section 2.1 &amp; 2.2</b> <b>Appendix A Review: Section A.3 &amp; A.4</b> <b>Section 2.3</b>
<b>3</b>	<b>M:</b> No Class (MLK Holiday) <b>W:</b> Graphing: Transformations (shifts & reflections) Graphs of Quadratic Functions (Max/min) Quiz 1	<b>Section 1.5 and 2.3</b>
<b>4</b>	<b>M:</b> More Graphing Quadratic Inequalities <b>W:</b> Complex Numbers& Complex Zeros of Quadratic Graphs of Polynomial Functions	<b>Section 2.4, 2.5</b> <b>Section A.11, Section 2.7</b> <b>Section 3.1-3.3</b> (Section 3.1 only in 2 <sup>nd</sup> Ed)
<b>5</b>	<b>M:</b> More Graphing Long Division/Synthetic Division <b>W:</b> More Graphing of Polynomials Absolute Value Equations/Inequalities Quiz 2	<b>Appendix A Review: Section A.3 and A.5</b> <b>Worksheet???</b> <b>Section 2.8</b>
<b>6</b>	<b>M:</b> Composition of Functions One to One functions, Inverse Functions <b>W:</b> Midterm	<b>Section 4.1</b> <b>Section 4.2</b>
<b>7</b>	<b>M:</b> Rational Exponents Exponential Functions (Compound Interest) <b>W:</b> Logarithms Properties of Logs & Change of Base	<b>Appendix A Review: Section A.7</b> <b>Section 4.3 &amp; 4.7</b> <b>Section 4.4</b> <b>Section 4.5</b>
<b>8</b>	<b>M:</b> Exponential Equations Exponential & Logarithmic Equations <b>W:</b> Rational Functions (horizontal asymptotes)	<b>Section 4.3</b> <b>Section 4.7</b> <b>Section 3.4</b> (Section 3.2 in 2 <sup>nd</sup> Ed.)
<b>9</b>	<b>M:</b> Rational Functions (oblique asymptotes) <b>W</b> Angles and Measures Right Triangle Trigonometry	<b>Section 3.5</b> <b>Section 5.1</b> <b>Section 5.2 and 5.3</b> (Section 3.3 in 2 <sup>nd</sup> Ed.)
<b>10</b>	<b>M:</b> Inverse since, cos, tan <b>W:</b> Applications of Trigonometry	<b>Section 6.1</b> <b>Section 7.1</b>
<b>11</b>	<b>M:</b> Review Day <b>W:</b> Final Exam	

\*\*This is likely to change as I will do my best to adjust to the class' needs. Please check for updates! I will also do my best to announce any changes in class.