

**Accelerated Precalculus**  
**August & September 2021**  
**Unit 1 - Intro to Trig**

Monday	Tuesday	Wednesday	Thursday	Friday
8/9 Advisement  <b>1.01</b> Getting to Know Trig  Remind Syllabus	8/10 Advisement  <b>1.02</b> Right Triangle Trigonometry (Lesson 4.1)  <b>HW: 1.02 Practice</b>	8/11 Advisement  <b>1.03</b> Solving (Lesson 4.1)  <b>HW: 1.03 Practice</b>	8/12 Advisement  <b>1.04</b> Applications (Lesson 4.1)  <b>HW: 1.04 Practice</b>	8/13 Advisement  <b>1.05 Quiz</b>  Radian Investigation
16 <b>1.06</b> Degrees and Radians (Lesson 4.2)  <b>HW: 1.06 Practice</b>	17 <b>1.07</b> Applications Arc Length  <b>HW: 1.07 Practice</b>	18 <b>1.08</b> Coterminal Angles (Lesson 4.2) Reference Angles (Lesson 4.3)  <b>HW: 1.08 Practice</b>	19 <b>1.09</b> Coterminal and Reference Angles (Lesson 4.2 and Lesson 4.3)  <b>HW: 1.09 Practice</b>	20 <b>1.10 Quiz</b>
23  <b>MAP Testing</b>	24  <b>MAP Testing</b>	25 <b>1.11</b> Review Special Right Triangles  <b>HW: Special Right Triangles Maze</b>	26 <b>1.12</b> Building the Unit Circle  <b>HW: Empty Unit Circle &amp; Table</b>	27 <b>1.13</b> Unit Circle & Trigonometry Ratios (Lesson 4.3)  <b>HW: Finish Unit Circle and Table</b>
30 <b>1.14</b> More Unit Circle  <b>HW: Trig with the Unit Circle and Reference Angles</b>	31 <b>1.15</b> Evaluate trig given point not on Unit Circle (Lesson 4.3)  <b>HW: 1.15 Practice</b>	9/1 <b>1.16</b> Extension (Lesson 4.3)  <b>HW: 1.16 Practice</b>	2 <b>1.17</b> Finding multiple angle solutions (Lesson 4.3)  <b>HW: 1.17 Practice</b>	3 <b>1.18 Quiz</b>
6  <b>Labor Day No School</b>	7 <b>1.19</b> Test Review	8 <b>1.20 Test Unit 1 Intro to Trig</b>	9	10

## Accelerated Pre-Calculus

September-October 2021

### Unit 2 – Graphing Trigonometric Functions

Monday	Tuesday	Wednesday	Thursday	Friday
<b>Labor Day</b>  <b>No School</b>	9/7 1.18 Unit 1 Review	8 Unit 1 Test Non-calculator and Calculator portions	9 2.01 Exploring the graphs of Sine & Cosine Functions <ul style="list-style-type: none"> <li>• Waves</li> <li>• Periodic functions</li> </ul> 2.01 Intro to Sin- Cos Wkst	10 2.02 Graphing Sine & Cosine Functions <ul style="list-style-type: none"> <li>• Amplitude</li> <li>• Period</li> </ul> 2.02 Amp & Per Wkst
13 2.03 Graphing Sine & Cosine Functions <ul style="list-style-type: none"> <li>• Amplitude</li> <li>• Period</li> </ul> 2.03 Amp & Per Wkst	14 <b>2.04 Check-In            Quiz: Graphing            Sine &amp; Cosine            Functions with            amplitude and            period</b>  Start 2.05	15 2.05 Translations of Sine and Cosine Functions <ul style="list-style-type: none"> <li>• Phase Shift</li> </ul> 2.05 Amp, Per, and PS Wkst	16 2.06 Translations of Sine and Cosine Functions <ul style="list-style-type: none"> <li>• Vertical Shift</li> </ul> 2.06 Amp, Per, PS, and VS Wkst	17 2.07 Quiz Review Graphing Sin & Cos  Station Review  2.07 Review Graphing Sin and Cos Wkst
20 <b>Late Start Day            (45 min classes)</b>  <b>2.08 Quiz:            Graphing Sine            and Cosine            Functions</b>  <b>No Calculator</b>	21 2.09 Graphing Sec and Cosecant Functions  2.09 Graphing Sec and Csc Wkst	22 2.10 Graphing Tan and Cot Functions  2.10 Graphing Tan and Cot Wkst	23 2.11 More Graphing Trig Functions Practice  2.11 Graphing All Wkst	24 <b>2.12 CheckIn            Quiz: Graphing            Sec, Csc, Tan &amp;            Cot</b>
27 2.13 Test Review  2.13 Test Review Wkst	28 <b>2.14 Test - Unit 2            Graphing Trig            Functions</b>	29 2.15 Modeling Real World Applications  2.15 Sinusoidal Apps Wkst 1	30 2.16 Modeling Real World Applications contd.  2.16 More Practice	10/1 2.17 Modeling Real World Applications contd.  2.17 Task
4 <b>2.18 Quiz:            Sinusoidal            Modeling            Need a            Calculator</b>	8	9	10	11

## Accelerated Precalculus

October 2021

### Unit 3 - Trig Laws and Area of a Triangle

Monday	Tuesday	Wednesday	Thursday	Friday
<p>4</p> <p><b>2.18 Quiz</b> <b>Sinusoidal</b> <b>Modeling</b> <b>Need a Calculator</b></p>	<p>5</p> <p>3.01 Law of Sines</p> <ul style="list-style-type: none"> <li>• Derive Formula</li> <li>• Solve ASA &amp; AAS Triangles</li> </ul> <p>3.01 Law of Sines Worksheet</p>	<p>6</p> <p><b>CheckIn Quiz:</b> <b>Law of Sines</b></p> <p>3.02 Law of Sines</p> <ul style="list-style-type: none"> <li>• Ambiguous Case</li> <li>• Determine # of Triangles</li> </ul> <p>3.02 Ambiguous Case Worksheet</p>	<p>7</p> <p>3.03 More LoS &amp; Ambiguous Case Practice</p> <ul style="list-style-type: none"> <li>• Solve ASS Triangles</li> </ul> <p>3.03 Ambiguous Case Worksheet</p>	<p>8</p> <p>3.04 Law of Cosines</p> <ul style="list-style-type: none"> <li>• Formula</li> <li>• Solve SAS &amp; SSS Triangles</li> </ul> <p>3.04 Law of Cosines Worksheet</p>
<p>11</p> <p style="text-align: center;"><b>No School</b></p>	<p>12</p> <p style="text-align: center;">Teacher Workday</p>	<p>13</p> <p style="text-align: center;"><b>PSAT</b></p>	<p>14</p> <p>3.06 Review Laws</p> <p>3.05 Review Laws</p> <ul style="list-style-type: none"> <li>• Station Activity (Differentiated)</li> </ul> <p>3.06 Quiz Review Worksheet</p>	<p>15</p> <p><b>3.07 Quiz:</b> <b>Law of Sines and</b> <b>Law of Cosines</b></p>
<p>18</p> <p>3.08 Area of a Triangle</p> <ul style="list-style-type: none"> <li>• Non-right Triangles</li> <li>• Heron's Formula</li> </ul> <p>HW: 3.08 Practice</p>	<p>19</p> <p>3.09 Applications of Laws of Sines and Cosines and Area</p> <p>HW: Finish 3.09 wksht</p>	<p>20</p> <p>3.10 Review for Test</p> <p>HW: Test Review</p>	<p>21</p> <p><b>3.11 Test Unit 3</b></p>	<p>22</p>

## Accelerated Pre-Calculus

October/November 2021

### Unit 4A - Trigonometric Identities

Monday	Tuesday	Wednesday	Thursday	Friday
25 4.01 Introduction to Trigonometric Identities • Simplifying • Reciprocal ID • Quotient ID • Pythagorean ID  HW: 4.01 Worksheet Connect the Dots	26 4.02 Trig Identities cont'd • More Simplifying Expressions • Cofunction ID • Even/Odd ID  HW: 4.02 Page 451, #5 - 23 odd	27 4.03 Verifying Trig Identities Day 1  HW: Finish 4.03 Wksht	28 4.04 Verifying Trig Identities Day 2 • Verifying Identities with Fractions and Rationalizing  HW: 4.04 Practice	29 4.05 Verifying Trig Identities Day 3 • Verifying Identities by Factoring  HW: 4.05 Practice
Nov 1 4.06 Trig Identities Practice  CW: Singing Telegram  HW: 4.06 Simplifying Trig Expressions Wkst	2 4.07 Trig Identities Quiz  HW: Magic Square	3 4.08 Trig Identities • Sum/Diff Identities • Verifying Identities  HW: 4.08 Wkst	4 4.09 Trig Identities • Double Angle Identities • Verifying Identities  HW: 4.09 Wkst	5 4.10 Test Review  HW: 4.10 Test Review Worksheet
8 4.10 Test Review  HW: Study!	9 4.11 Unit 4 Part 1 Test - Identities • Simplifying Expressions • Verifying Identities	10	11	12

## Accelerated Pre-Calculus

November & December 2021

### Unit 4B ( Part 2) – Trigonometric Identities & Solving Trig Equations

Monday	Tuesday	Wednesday	Thursday	Friday
11/8 4.10 Test Review	9 4.11 Unit 4 Part 1 Test- Identities	10 4.12 Angle Sum and Difference Identities • Formulas • Evaluating using Unit Circle  HW: Practice Worksheet 4.12	11 4.13 Double Angle Identities • Formulas • Evaluating  HW: Practice Worksheet 4.13	12 4.14 Review   HW: 4.14 Review
15 4.14 Review   HW: Study	16 <b>4.15 Quiz- Evaluating with Identities</b>	17 4.16 Trig Inverses and Principal Values  HW: 4.16 Practice	18 4.17 Trig Inverses Cont'd  HW: 4.17 Practice	19 4.18 Trig Inverses Review
<b>Thanksgiving Break</b>				
29 4.19 Trig Inverses with Calculators  •Degrees  HW: 4.19 Practice	30 4.20 Trig Inverses with Calculators  •Radians  HW: 4.20 Practice	Dec 1 4.21 Solving Trig Equations • Solutions $[0, 2\pi)$ vs. <i>all values</i> • Factoring • Using Pythagorean Identities  HW: 4.21 Wksht	2 4.22 Solving Trig Equations cont'd • Using Double Angle Identities  HW: 4.22 Wksht	3 4.23 Solving Trig Equations cont'd • Using Angle Sum & Difference Identities  HW: 4.23 Wksht
6 4.24 Solving Trig Equations cont'd • Equations with Multiples of the Angle  HW: 4.24 Wksht	7 4.25 Review	8 <b>Unit 4B Test</b>	9 Final Exam Review	10 Final Exam Review
13 Review	14 Final Exams	15 Final Exams	16 Final Exams	17 Final Exams

**Winter Vacation – Enjoy your break & holidays!!!**