

## Pre-Calculus – Unit 4: Trigonometric Functions

| <b>Date</b>            | <b>Lesson/Objective</b>                                                                                                                                                                  | <b>Homework</b>                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Tuesday,<br>March 10   | <b>4.1</b><br><i>Objective: Students will be able to convert between radians and degrees. Students will be able to determine arc length, given angle measures in degrees or radians.</i> | <b>Homework 4.1</b>                        |
| Wednesday,<br>March 11 | <b>4.2</b><br><i>Objective: Students will be able to solve for missing parts of right triangles using trigonometry and special right triangles</i><br><i>Work on Homework 4.2</i>        | <b>Watch 4.3 Video on Google Classroom</b> |
| Thursday,<br>March 12  | <b>4.3</b><br><i>Objective: Students will be able to complete the unit circle, based on a basic understanding of circular trigonometry.</i>                                              | <b>Study for Unit Circle Quiz</b>          |
| Friday, March<br>13    | <b>4.3 Practice - UNIT CIRCLE QUIZ (end of class)</b>                                                                                                                                    | <b>Watch 4.4 Video on Google Classroom</b> |
| Monday,<br>March 16    | <b>4.4</b><br><i>Objective: Students will be able to identify the amplitude, period, frequency, phase shift, and vertical shift of a sinusoidal function.</i>                            | <b>NO HOMEWORK</b>                         |
| Tuesday,<br>March 17   | <b>4.4</b><br><i>Objective: Students will be able to identify the amplitude, period, frequency, phase shift, and vertical shift of a sinusoidal function.</i>                            | <b>Watch 4.5 Video on Google Classroom</b> |
| Wednesday,<br>March 18 | <b>4.5</b><br><i>Objective: Students will be able to graph tangent, cotangent, secant, and cosecant functions.</i>                                                                       | <b>Finish Graphing Worksheet</b>           |
| Thursday,<br>March 19  | <b>4.5</b><br><i>Objective: Students will be able to graph tangent, cotangent, secant, and cosecant functions.</i>                                                                       | <b>Watch 4.7 Video on Google Classroom</b> |
| Friday,<br>March 20    | <b>4.7</b><br><i>Objective: Students will be able to relate the concept of inverse functions to trigonometric functions.</i>                                                             | <b>NO HOMEWORK</b>                         |
| Monday,<br>March 23    | <b>Unit 4 Review</b><br><i>Objective: Students will develop mastery of Unit 4.</i>                                                                                                       | <b>Finish Unit 4 Review Sheet</b>          |
| Tuesday,<br>March 24   | <b>Unit 4 Test</b><br><i>Objective: Students will demonstrate mastery of Unit 4.</i>                                                                                                     | <b>Work on Chapter 4 in Reference Book</b> |
| 3/25 – 3/27            | <b>Universal Language Project Presentations</b>                                                                                                                                          | <b>NO HOMEWORK</b>                         |