## $1^{\text {st }}$ Semester Learning Targets

|  | GP <br> Learning <br> Target | Topic | Description | Text |
| :---: | :---: | :---: | :---: | :---: |

## 2nd Semester Learning Targets

|  | GP <br> Learning Target | Topic | Description | Text <br> Lippman |
| :---: | :---: | :---: | :---: | :---: |
|  | 7A | Angles and Radian Measure | I can accurately use radian measures to define angles and find arc lengths. | 5.2 |
|  | 7B | The Unit Circle and the Circular Functions | I can find the values of the Sine and Cosine on the 16 point Unit circle and apply them to solve problems involving all 6 trigonometric functions. | 5.3/5.4 |
|  | 7C | Trigonometry Functions and Angles | In can solve problems by applying the 6 trigonometric functions to the sides of a right triangle. | 5.5 |
|  | 7D | Law of Sines and Cosines | I can solve problems using the Law of Sines and the Law of Cosines. | 8.1 |
|  | 8A | Graphs of Sinusoids | I can create and use graphs of transformations of sine and cosine functions to solve problems. | 6.1 |
|  | 8B | Graphs of the other Trigonometric Functions | I can create and use the graphs of transformations of non-sinusoid trig. functions (csc, sec, tan, cot) to solve problems | 6.2 |
|  | 8C | Graphing Inverse Trigonometric Functions. | I can create and use graphs of transformations of inverse trigonometric functions to solve problems. | 6.3 |
|  | 8D | Composite Graphs of Trigonometric Functions | I can create and use graphs of transformations of composite trigonometric functions to solve problems. | 7.4 |
|  | 9A | Fundamental <br> Trigonometric <br> Identities | I can use and apply fundamental trigonometric identities. | 7.1 |
|  | 9B | Proving Trigonometric Identities | I can prove trigonometric identities. | 7.2 |
|  | 9C | Angle Sum and Difference identities | I can use and apply sum and difference identities. | 7.2 |
|  | 9D | Multiple Angle Identities | I can use and apply multiple angle identities. | 7.3 |
|  | 10A | Vectors in the Plane | I can represent, model with, and perform operations on vector quantities. | 8.4 |
|  | 10B | Dot Products of Vectors | I can apply the dot product of vectors to solve problems. | N/A |
|  | 10C | Parametric Equations and Motion | I can create, interpret, and apply parametric equations. | 8.5 |
|  | 10D | Polar Coordinates and Graphs | I can locate points, create graphs, and analyze graphs in the polar coordinate system. | 8.2 |

