Integrated Alg2 Precalc Unit 10: Additional Trigonometry

Content Area: Math

Course(s): Integrated Algebra II & PreCalculus

Time Period: Semester 2
Length: 3 Cycles
Status: Published

Unit Introduction

Standards

MA.G-SRT.D.10 Prove the Laws of Sines and Cosines and use them to solve problems.

MA.G-SRT.D.11 Understand and apply the Law of Sines and the Law of Cosines to find unknown

measurements in right and non-right triangles (e.g., surveying problems, resultant forces).

MA.F-TF.C Prove and apply trigonometric identities

MA.F-TF.C.8 Prove the Pythagorean identity $sin^2(\theta) + cos^2(\theta) = 1$ and use it to find $sin(\theta)$, $cos(\theta)$, or

 $tan(\theta)$ given $sin(\theta)$, $cos(\theta)$, or $tan(\theta)$ and the quadrant of the angle.

MA.F-TF.C.9 Prove the addition and subtraction formulas for sine, cosine, and tangent and use them to

solve problems.