

MATH 26

(GQ) **Plane Trigonometry** (3) Trigonometric functions; solutions of triangles; trigonometric equations; identities.

Prerequisite: [MATH 021](#) or satisfactory performance on the mathematics proficiency examination; 1 unit of geometry

TOPICS

Radians & Degrees

Trig functions: Unit Circle

Unit Circle & Right Triangle Trig

Right Triangle Trig

Trig functions - Any Angle

Graphs: Sine and Cosine

Graphs: Other Trig Functions

Inverse Trig Functions

Applications & Models

Fundamental Identities

Using Fundamental Identities

Verifying Trig Identities

Solving Trig Equations

Sum & Difference Formulas

Other Trig Formulas

Law of Sines

Law of Cosines

Vectors in the Plane

Vectors & Dot Products

Complex Numbers

Complex Solutions

Trig Form of a Complex Number

DeMoivre's Thm