

Trigonometry Scope and Sequence

Lesson A	Pythagorean Theorem
Lesson B	Special Right Triangles (30-60-90 & 45-45-90)
Lesson 1	Introduction to Trigonometry
Lesson 2	Inverse Trigonometric Ratios
Lesson 3	Interpreting the Trigonometry Tables
Lesson 4	Using the Trig. Table to Solve for the Unknown
Lesson 5	Using a Calculator and Arc Functions
Lesson 6	Angles of Elevation and Depression
Lesson 7	Angles $<0^\circ$, $>360^\circ$, and Reference Angles
Lesson 8	Cofunctions and Negative Angle Relationships
Lesson 9	Proving Trigonometric Identities
Lesson 10	Verifying Trig. Expressions and Identities
Lesson 11	Sum & Difference Identities for the Cosine, Sine & Tangent
Lesson 12	The Double-Angle and Half-Angle Identities
Lesson 13	Law of Sines
Lesson 14	Law of Cosines
Lesson 15	Ambiguity in the Law of Sines
Lesson 16	Radian Measure
Lesson 17	Polar Coordinates & Rectangular Coordinates
Lesson 18	Polar Equations and Polar Graphs
Lesson 19	Vectors
Lesson 20	Functions, Relation, Domain, and Range
Lesson 21	Graphing the Sine and Cosine Functions
Lesson 22	Graphing the Secant and Cosecant Functions
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Lesson 24	Logarithms
Lesson 25	Arithmetic Sequences & Series
Lesson 26	Geometric Sequences & Series
Appendix A	Proof of $\cos(A - B) = \cos A \cos B + \sin A \sin B$
Appendix B	Finding the Area of a Triangle Trigonometrically
Appendix C	Interpolation
Appendix D	Navigation
Appendix E	Natural Logarithms