

PreCalculus

CURRICULUM SEQUENCE

HONORS LESSON TOPICS

HOW TO USE MATH-U-SEE

SUPPORT AND RESOURCES

LESSON 1 Introduction to Trigonometry
LESSON 2 Reciprocal Trigonometric Ratios
LESSON 3 Interpreting the Trigonometry Tables
LESSON 4 Use 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; Negative Angle Relationships
LESSON 9 Proving Trigonometric Identities
LESSON 10 Verifying Trig Expressions and Identities

LESSON 11 Sum and Difference Identities
LESSON 12 The Double-Angle and Half-Angle Identities
LESSON 13 Law of Sines
LESSON 14 Law of Cosines
LESSON 15 Radian Measure

LESSON 16 Polar Coordinates; Rectangular Coordinates
LESSON 17 Polar Equations and Polar Graphs
LESSON 18 Vectors
LESSON 19 Functions, Relations, Domain, and Range
LESSON 20 Composite Functions

LESSON 21 Logarithms
LESSON 22 Natural Exponential and Logarithm Functions
LESSON 23 Graphing Sine and Cosine Functions
LESSON 24 Graphing the Cosecant and Secant
LESSON 25 Graphing the Tangent and Cotangent

LESSON 26 Arithmetic Sequences and Series
LESSON 27 Geometric Sequences and Series
LESSON 28 Equations with Radicals and Absolute Value
LESSON 29 Inequalities with Absolute Value and Radicals
LESSON 30 Limits

APPENDIX A Pythagorean Theorem
APPENDIX B Special Triangles (45° - 45° - 90° ; 30° - 60° - 90°)

STUDENT SOLUTIONS

HONORS SOLUTIONS

TEST SOLUTIONS

SYMBOLS & TABLES

GLOSSARY OF TERMS

SECONDARY LEVELS MASTER INDEX

PRECALCULUS INDEX