

# PreCalculus

Lesson	Title	Time (min:sec)
Lesson 1	Introduction to Trigonometry	21:25
Lesson 2	Reciprocal Trigonometric Ratios	10:20
Lesson 3	Interpreting the Trigonometry Tables	11:43
Lesson 4	Use the Trig Table to Solve for the Unknown	6:19
Lesson 5	Using a Calculator and Arc Functions	14:39
Lesson 6	Angles of Elevation and Depression	8:20
Lesson 7	Angles $< 0^\circ$ , $> 360^\circ$ , and Reference Angles	9:47
Lesson 8	Cofunctions; Negative Angle Relationships	12:06
Lesson 9	Proving Trigonometric Identities	9:23
Lesson 10	Verifying Trig Expressions and Identities	6:00
Lesson 11	Sum and Difference Identities	10:54
Lesson 12	The Double-Angle and Half-Angle Identities	11:43
Lesson 13	Law of Sines	9:08
Lesson 14	Law of Cosines	10:12
Lesson 15	Radian Measure	19:31
Lesson 16	Polar Coordinates; Rectangular Coordinates	16:18
Lesson 17	Polar Equations and Polar Graphs	17:14
Lesson 18	Vectors	17:24
Lesson 19	Functions, Relations, Domain, and Range	12:38
Lesson 20	Composite Functions	3:53
Lesson 21	Logarithms	0:29
Lesson 22	Natural Exponential and Logarithm Functions	18:04
Lesson 23	Graphing Sine and Cosine Functions	21:48
Lesson 24	Graphing the Cosecant and Secant	6:58
Lesson 25	Graphing the Tangent and Cotangent	4:00
Lesson 26	Arithmetic Sequences and Series	17:33
Lesson 27	Geometric Sequences and Series	10:30
Lesson 28	Equations with Radicals and Absolute Value	8:17
Lesson 29	Inequalities with Absolute Value and Radicals	6:11
Lesson 30	Limits	15:06