

PreCalculus Index

Topic.....	Lesson	Topic.....	Lesson
Absolute value	28; 29	Difference of two squares	4H
Algebra (defined)	1H	Discontinuity	23H
Angles		Distance formula	11H, 26H
elevation and depression	6	Distributive property.....	4H
less than 0° and greater than 360°	7	Division	
negative angle relationships	8	inequalities	29H
reference angles	7	polynomial.....	14H
using trig ratios to find measures	3	synthetic.....	15H, 17H
Amplitude.....	23, 24H	Domain.....	19, 21H
Antilog.....	21	Double-angle identities	12
Arc functions	5	Ellipse.....	2H
Area of triangle.....	13H	Euler, Leonhard.....	22H
Arithmetic (defined)	1H	Factoring	4H, 5H, 14H
Arithmetic sequences.....	26	Fairness rule	28, 29
Arithmetic series.....	26	Finding the measure of an angle	3
Asymptotes.....	24	Functions	
Bearing (compass).....	8H, 9H, 10H	arc.....	5
Calculator	5, 15, 22	continuous and discontinuous	23H
Calculus.....	1H, 23H, 30H	composite	20
Cartesian coordinates	12H, 20H, 26H	defined.....	19
Characteristic.....	21	domain.....	19
Cofunctions	8	evaluating.....	19
Complex numbers	14H, 16H, 23H	greatest integer	19H
Conjugate root theorem.....	16H	inverse	21H
Continuity.....	23H	natural exponential.....	22
Cosecant.....	2	natural logarithm.....	22
Cosine		range.....	19
defined.....	1	transformations.....	20H
double angle	12	vertical line test.....	19
graphing.....	23	Fundamental theorem of algebra .	14H, 16H
half-angle	12	Gauss, Carl	16H
law of	14	Geometry (defined)	1H
sum and difference	11	Geometric sequences	27
Cosine difference identity	11H	Geometric series	27
Cotangent.....	2	Graphs	
Degree (compass)	8H, 9H, 10H	common functions.....	19H
Degree of polynomial.....	14H, 16H	cosecant.....	24
Degrees		cosine	23
change to degrees-minutes-seconds ...	5	cotangent	25
change to radians	15	polar	16, 17
Derivative	30H	secant	24
Difference of two cubes	4H	sine	23

Topic Lesson

Graphs, continued	
tangent.....	25
three-dimensional.....	26H
transformations.....	20H
Graphing calculator.....	25H
Greatest integer function.....	19H
Half-angle identities.....	12
Headings (compass).....	8H, 9H, 10H, 18H
Horizontal line test.....	21H
Hyperbola.....	19H
Identities	
double-angle.....	12
half-angle.....	12
introduced.....	8
sum and difference.....	11
verifying.....	10
Imaginary numbers.....	16H, 23H
Inequalities.....	28H, 19, 29H
Integral.....	30H
Interpolation.....	3H
Inverse function.....	21H, 30H
Kinds of mathematics.....	1H
Knot (navigation).....	10H
Law of cosines.....	14
Law of sines.....	13
Limits.....	30, 30H
Logarithms.....	21, 22, 22H
Mantissa.....	21
Midpoint formula.....	26H
Most beautiful equation.....	22H
Multiplicity.....	14H, 16H
Negative angle relationships.....	8
Natural exponential function.....	22, 22H
Natural log function.....	22, 22H, 27H
Nautical mile.....	10H
Navigation.....	8H, 9H, 10H
Newton, Isaac.....	1H
Number line.....	28H, 29H
Odd graph.....	2H
One-to-one function.....	21H
Parabola.....	2H, 19H, 20H, 21H
Period.....	23, 24H
Phase shift.....	23
Polar equations.....	17
Polar graphs.....	16, 17
Pythagorean theorem.....	11H, 12H, App A
Quadrants.....	7, 12H
Radian measure.....	15
Radicals.....	28, 29

Topic Lesson

Range.....	19, 21H
Ratios	
basic trig ratios.....	1
reciprocal trig ratios.....	2
Rational expressions.....	5H
Rational roots test.....	14H
Real numbers.....	16H
Reference angles.....	7
Reflection.....	20H
Relations.....	19, 21H
Remainder theorem.....	17H
Resultant.....	18
Roots of a polynomial.....	14H, 15H, 16H
Secant.....	2
Series.....	27H
Set notation.....	28H
Sign chart.....	28H, 29H
Sine	
defined.....	1
double-angle.....	12
graphing.....	23, 24H
half-angle.....	12
law of sines.....	13
sum and difference.....	11, 11H
Sinus (sinusoidal) curve.....	24H
Solving for unknown sides of a triangle....	4
Special triangles.....	Appendix B
Sphere.....	26H
Substitution.....	4H
Sum and difference identities.....	11
Sum of two cubes.....	4H
Symmetry.....	2H
Synthetic division.....	15H, 17H
Tangent	
defined.....	1
double-angle.....	12
graphing.....	25
half-angle.....	12
law of sines.....	13
sum and difference.....	11
Three-dimensional coordinates.....	26H
Transformations.....	20H
Translation.....	23, 20H
Trig tables.....	3
Union.....	28H
Unit circle.....	12H
Vectors.....	18, 18H
Vertical line test.....	21H