

---

---

# CONTENTS

---

---

Basic Calculator Use.....	5
Circles .....	8
Graph a Circle .....	8
Solve a Circle-Linear System.....	9
Polynomials.....	10
Check for Equivalence of Two Expressions.....	10
Test Whether $(x - a)$ is a Factor of a Polynomial.....	10
Functions.....	11
Check for Real Roots by Graphing.....	11
Find the Real Roots .....	12
Find the y-Intercept.....	12
Find a Minimum or Maximum.....	13
Polynomial Regression.....	14
Transformations.....	15
Exponential Regression .....	16
Graph a Rational Function .....	17
Average Rate of Change .....	18
Solve a System of Functions.....	18
Shade the Area where $fx < g(x)$ .....	19
Logarithms.....	20
Enter the Natural Base .....	20
Evaluate a Common Logarithm .....	20
Evaluate a Natural Logarithm .....	20
Evaluate a General Logarithm.....	21
Financial Applications.....	22
Evaluate Periodic Compound Interest.....	22
Evaluate Continuous Compound Interest.....	22

Trigonometry .....	23
Set Degree or Radian Mode .....	23
Find the Length of a Side of a Right Triangle.....	23
Find the Measure of an Angle of a Right Triangle .....	23
Find the csc, sec, or cot of an Angle .....	24
Convert from Radians to Degrees .....	25
Convert from Degrees to Radians .....	25
Specify Degrees or Radians .....	26
Graph the Unit Circle as Parametric Equations.....	27
Find the Terminal Point on a Unit Circle for a Given $\theta$ .....	28
Solve $\sin \theta = y$ for $\theta$ given $y$ .....	29
Solve $\cos \theta = x$ for $\theta$ given $x$ .....	30
Graph a Trigonometric Circle of Any Radius.....	31
Graph a Trig Function.....	32
Sequences and Series.....	33
Find Terms of an Arithmetic Sequence.....	33
Find Terms of a Geometric Sequence .....	33
Determine the Equation of an Arithmetic Sequence.....	34
Determine the Equation of a Geometric Sequence .....	35
Generate Terms of a Recursively Defined Sequence.....	36
Evaluate a Summation.....	37
Find the Partial Sum of an Arithmetic Sequence .....	38
Find the Partial Sum of a Geometric Sequence.....	38
Statistics .....	39
Generate a Set of Random Numbers .....	39
Display a Frequency Histogram .....	40
Graph a Normal Distribution.....	41
Find the Percentage Between Two Values in a Normal Distribution .....	41
Shade an Area Under a Normal Curve .....	42
Find the Confidence Interval for a Population Mean .....	43
Find the Confidence Interval for a Population Proportion.....	43
Index of Functions.....	44