

ACT MADE EASY - FUNCTIONALITY

for the TiNspire CAS – www.TiNspireApps.com

Algebra

- Solve any Equation or Inequality
- Solve 2x2 system
- Solve 3x3 system
- Read: PEMDAS - Order of Operation
- Simplify & Evaluate
- Powers
- Factor Integers
- Find GCD & LCM
- Find Common Denominator
- Solve Proportion (Ratio) Problems
- Absolute and Percent Change

Functions

- Read: Definition of Function
- All-in-one-Function Explorer
- Evaluate Function
- Intersection of 2 Functions
- Find $f+g$
- Composition of 2 Functions $f(g(x))$
- Read: Interval Notation

Polynomials

- All-in-one-Polynomial Explorer
- Find Degree

Points and Lines

- Find Slope
- Find $y=mx+b$
- Read: $y=k*x$
- Read: Linear Functions
- Find Point Slope & $y=mx+b$ given Pt & Slope
- Check if 2 Lines are Parallel or Perpendicular
- Find Parallel and Perpendicular Lines
- Read: Absolute Value Function $|x|$

Quadratic Equations and Complex Numbers

- Do the Quadratic Equation
- Complete the Square
- Complete the Square to find Zeros

Complete the Square to find Vertex
One Complex Number : All-in-one-Explorer
Two Complex Numbers : All-in-one-Explorer

Exponents and Logarithms

Read: Exponents & Rules
Solve any Equation
Solve using the Rule 72
Solve Money/Exponential Growth Problems
Read: Logarithms & Rules
Evaluate Logarithms
Logarithm Solver
Change of Base

Sequences & Series

Explicit Sequence & Partial Sum
Recursive Sequence & Partial Sum
Sequence Formula Finder
Geometric Sequence & Series
Arithmetic Sequence

Matrices

All in one Matrix A Explorer
Two Matrices: $A+B$
Find the Inverse of A
Find the Determinant of A
Row Echolon(A)
Reverse Row Echolon(A) - STEPS
Solve System of Equations $A*X=B$
Cramer Rule to solve $A*X=B$

Trigonometry

Read: Intro
Solve any 90° Triangle
Read: 3 Laws
Solve any triangle
SSS-Case
SAS-Case
SSA-Case
SAA-Case
Evaluate $\sin(x)$

Circles

Read: Unit Circle: Angles & Coordinates
Read: Circle Properties & Formulas
Find Sector
Arc Length Solver

Geometry

2D: Circle Solver
2D: Find Sector
2D: Arc Length Solver
2D: Pythagorean Theorem
2D: Triangle Solver
2D: Square Solver
2D: Rectangle Solver
2D: Parallelogram Solver
2D: Rhombus Solver
2D: Trapezoid Solver
3D: Sphere Solver
3D: Cube Solver
3D: Cylinder Solver
3D: Cone Solver
3D: Rectangular Prism Solver

Convert

Polar Coordinates \leftrightarrow (x,y)
Degree \leftrightarrow Radian
Degree to Degree/Minutes/Seconds
Revolution to Degree/Radian

ACT Specials

Sigma S-Notation
Count Integers given Range given N
Count Integers divisible by N and/or M
Integer Solutions to 1 Eqn. with 2 Variables
Integer Solutions to 1 Eqn. with 3 Variables