

SAT MADE EASY - FUNCTIONALITY

for the TiNspire CAS – www.TiNspireApps.com

Algebra

Solve any Equation or Inequality
Solve 2x2 system - Step by Step
Read: PEMDAS - Order of Operation
Simplify & Evaluate
Factor
Powers
Expand/Distribute
Find GCD & LCM
Find Common Denominator
Find Proper Fractions
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 $f(g(x))$
Find $[f(x+h)-f(x)]/h$
Find Inverse function
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

SAT Specials

Compute 1- and 2-sided Limits
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