

GEOMETRY 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

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 $|x|$

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

Introduction to Geometry

Introduction & Definition
Read: Points
Read: Angles
Read: Lines

2D - Geometry

Circle Solver
Find Sector
Arc Length Solver
Pythagorean Theorem
Triangle Solver
Square Solver
Ellipse Solver
Rectangle Solver
Parallelogram Solver
Rhombus Solver
Trapezoid Solver
Regular Polygon

3D - Geometry

Sphere Solver
Cube Solver
Cylinder Solver
Cone Solver
Rectangular Prism Solver
Ellipsoid Solver
Frustum of Cone Solver
Triangular Prism Solver
Torus Solver
Square Pyramid Solver
Rectangular Pyramid Solver

Convert

[Polar <-> Rectangular](#)

[Degree <-> Radian](#)

[Degree to Degree/Minutes/Seconds](#)

[Revolution to Degree/Radian](#)

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