

PRECALCULUS 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 Partial Fractions
- 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
- Find Domain of $f(x)$
- Find Range of $f(x)$
- 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
- Find Roots
- Polynomial Division & Remainder
- Synthetic Division

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

Sigma S-Notation

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 $\sin(x)$

Check any Trig Identity

READ: Sum to Product Identities

READ: Product to Sum Identities

READ: Sum & Difference Identities

READ: Double & Half Angle Identities

READ: About Hyperbolics

Circles

READ: Unit Circle: Angles & Coordinates

READ: Circle Properties & Formulas

Find Sector

Arc Length Solver

Conics

All-in-One Conic Analyzer

Introduction to Calculus

Find $[f(x+h)-f(x)]/h$

Average Rate of Change

Find $f'(x)=\lim [f(x+h)-f(x)]/h$ as $h \rightarrow \infty$

Derivatives and Tangentline

Antiderivatives & Integrals

Conversions

$(x,y) \leftrightarrow$ Polar Coordinates

Degree \leftrightarrow Radian

Degree to Degree/Minutes/Seconds

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