

	TI-73 Explorer™	TI-83 Plus	TI-84 Plus	TI-84 Plus Silver Edition	TI-Nspire™	TI-Nspire™ CAS	TI-89 Titanium	Voyage™ 200
Graphing Handhelds								
Display								
Display Size Pixels	64 x 96	64 x 96	64 x 96	64 x 96	240 x 320	240 x 320	100 x 160	128 x 240
Split Screen #		2	2	2	4	4	2	2
Standard Mathematical Notation for Input and Output		App ³	•	•	•	•	•	•
Integrated Text with mathematical Notation					•	•		
Scrollable Home Screen			•	•	•	•	•	•
Icon Desktop					•	•	•	•
Removeable Keypad ¹⁵					•	•		
TI-84 Plus Compatibility ¹⁵			•	•	•			
Documents and Data Linking								
Save and Edit Problems/Work					•	•		
Linking Representations					•	•		
Interactive Math Boxes					•	•		
Document format with editing capabilities (cut, copy, paste, undo, redo)					•	•		
Collect Data from Graphing and Geometric Objects					•	•		
Graphing								
Function	•	•	•	•	•	•	•	•
Parametric		•	•	•	•	•	•	•
Polar		•	•	•	•	•	•	•
Sequence		•	•	•			•	•
Differential Equations, Slope Fields					•	•	•	•
RK, Euler, Initial Conditions					•	•	•	•
3D Graphing							•	•
Graph formats (solid line, dotted line, etc)	•	•	•	•	•	•	•	•
Contour Plotting, Implicit Plotting							•	•
Zoom and Trace	•	•	•	•	•	•	•	•
Table of Function Values	•	•	•	•	•	•	•	•
Grab and Move Graphs 10					•	•		
Enter Y Value (Dependent) and Calculate X Value (Independent) for a Function					•	•		
Visual Highlights on Graph of Zeros, Max/Min					•	•		
Mathematics								
CAS (Computer Algebra System)						•	•	•
Simultaneous Equation Solver		App	App	App ¹	•	•	App ¹	App ¹
Conic Graphing		App	App ¹	App ¹				
Dynamic/Transformation Graphing		App	App ¹	App ¹	•	•		
Inequality Graphing		App	App ¹	App ¹	•	•		
Polynomial Root Finder		App	App	App ¹	•	•	App ¹	App ¹

	TI-73 Explorer™	TI-83 Plus	TI-84 Plus	TI-84 Plus Silver Edition	TI-Nspire™	TI-Nspire™ CAS	TI-89 Titanium	Voyage™ 200
Graphing Handhelds								
Fraction Operations	•		•	•	•	•	•	•
Complex Numbers		•	•	•	•	•	•	•
Bin, Hex / Oct Operations					•/•	•/•	•/•	•/•
Logic Operations	•	•	•	•	•	•	•	•
Interactive Equation Solver	•	•	•	•			•	•
Vector Operations		App ¹	App ¹	App ¹	•	•	•	•
Trig Functions / Hyperbolic Functions	•/	•/•	•/•	•/•	•/•	•/•	•/•	•/•
Geometric Constructions/Transformations	App ¹	App	App ¹	App ¹	•	•	App	App ¹
Symbolic Algebra						•	•	•
Symbolic Operations with Units						•	•	•
Numeric Differentiation/Integration		•	•	•	•	•	•	•
Symbolic Differentiation/Integration						•	•	•
Symbolic Ordinary Differential Equations (1st & 2nd order)						•	•	•
Interactive step-by-step symbolic calculations							App ¹	App ¹
Inflection Points							•	•
Minimums and Maximums		•	•	•	•	•	•	•
Matrices								
Size	App	50 x 50 ²	50 x 50 ²	50 x 50 ²	No Limit ²	No Limit ²	No Limit ²	No Limit ²
Number	Up to 6	Up to 5	Up to 10	Up to 10	No Limit ²	No Limit ²	No Limit ²	No Limit ²
Matric Operations and Matrix Inverses					•	•		
Eigenvalues, Eigenvectors					•	•		
LU Decomp. / QR Factorization					•/•	•/•	•/•	•/•
Data Analysis								
List Length	999 ²	999 ²	999 ²	999 ²	No Limit ²	No Limit ²	No Limit ²	No Limit ²
Number of Lists	No Limit ²	No Limit ²	No Limit ²	No Limit ²	No Limit ²	No Limit ²	No Limit ²	No Limit ²
Stored Column Formulas	•	•	•	•	•	•	•	•
Named lists	•	•	•	•	•	•	•	•
Scatter Plots	•	•	•	•	•	•	•	•
Histograms	•	•	•	•	•	•	•	•
Pie Chart, Bar Chart / Pictograph	•/•	App/	App/	App ¹ /	•/•	•/•		
One- and Two- variable Statistics	•	•	•	•	•	•	•	•
Number of Regression Models	5	10	10	10	10	10	10	10
Manual Fit Line	•	App	•	•	•	•		
Residual Squares and Sum of Squares					•	•		
Combinations, Permutations, Random Numbers	•	•	•	•	•	•	•	•
Coin, Dice Toss	•	App ¹	App ¹	App ¹				
Inferential Stat, Prob. Distributions		•	•	•	•	•	App ¹	App ¹
Goodness of Fit, Mult. Regression, ANOVA 2way, RandSamp, CorrMat					•	•	App ¹	App ¹
Spreadsheets		App	App	App ¹	•	•	App ¹	App ¹

	TI-73 Explorer™	TI-83 Plus	TI-84 Plus	TI-84 Plus Silver Edition	TI-Nspire™	TI-Nspire™ CAS	TI-89 Titanium	Voyage™ 200
Graphing Handhelds								
Finance								
Interactive TVM Solver		App ¹	App ¹	App ¹	•	•	App ¹	App ¹
Cash Flows, Amortizations		App ¹	App ¹	App ¹	•	•	App ¹	App ¹
Science								
Physical Constants and Unit Manipulation		App ¹	App ¹	App ¹		•	•	•
Significant Figures		App ¹	App ¹	App ¹				
Metric Conversions	•	App ¹	App ¹	App ¹		•	•	•
Periodic Table		App	App ¹	App ¹				
Other Specifications								
Clock			•	•			•	•
Prior Entry Recall	•	•	•	•	•	•	•	•
Catalog of Functions	•	•	•	•	•	•	•	•
I/O Port / USB Port	•/	•/	•/•	•/•	• ¹² /•	/•	•/•	•/
Unit-to-Unit Cable	•	•	Mini USB Cable	Mini USB Cable	Mini USB Cable	Mini USB Cable	Mini USB Cable	•
Power / APD™ ⁵	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•
Rechargeable Battery Ready ¹³					•	•		
QWERTY Keyboard Built-in / External		/Available	/Available	/Available			/Available	/Available
Separate Alpha Keys					• ¹¹	• ¹¹		
Custom User-Defined Menus							•	•
Organizer		App	App	App ¹			App ¹	App
Text File Editor		App	App	App ¹	•	•	•	•
FLASH Memory (for installation of Apps and upgradeability)	•	•	•	•	•	•	•	•
Testing Specifications								
Options for Clearing RAM and/or ROM Memory of UserFiles	•	•	•	•	•	•	•	•
Press-to-Test™ Feature for Temporarily Disabling Student Access to Files or Apps on Handheld			•	•	•	•		
Press-to-Test™ Feature for Temporarily Disabling Certain Functionality			•	•	•	•		
LED Indicator for Press-to-Test™ Testing Mode					•	•		
Hardware Reset Button					•	•		

	TI-73 Explorer™	TI-83 Plus	TI-84 Plus	TI-84 Plus Silver Edition	TI-Nspire™	TI-Nspire™ CAS	TI-89 Titanium	Voyage™ 200
Graphing Handhelds								
Accessories								
Student Computer Software Included ¹⁴					•	•		
Computer Connectivity Software	Available	•	•	•	•	•	•	•
Computer Connectivity Cable	Available	Available	•	•	•	•	•	•
Data Collection (Compatible with CBL™, CBL 2™ and CBR™, CBR 2™)	•	•	•	•	• (EZ Temp and CBR2 only)	• (EZ Temp and CBR2 only)	•	•
Display able to be projected	ViewScreen Model Only		• ⁷	• ⁷	•	•	ViewScreen Model Only	
EXPLORATIONS™ Series Books	Available	Available ⁸	Available ⁸	Available ⁸	•	•	Available ⁹	Available ⁹
Available Memory (approx.)								
RAM	25K	24K	24K	24K	16MB	16MB	188K	188K
FLASH ROM	128K	160K	480K	1.5MB	20MB	20MB	2.7MB	2.7MB

Notes:

1 App preloaded and/or included in the purchase price of the graphing handheld

2 Limited by available memory

3 Program available for download from education.ti.com

4 Must have hardware version 2

5 APD = Automatic Power Down

6 Display can be projected using the appropriate TI-ViewScreen™ LCD panel or the TI-Presenter™. (TI-Presenter™ is not compatible with a TI-86.)

7 ViewScreen model available for Silver Edition only. Requires adapter for student units.

8 TI-83, TI-83 Plus and TI-83 Plus Silver Edition books are compatible with the TI-83 Plus family and the TI-84 Plus family of handhelds.

9 TI-89, TI-92, and TI-92 Plus books are compatible with the TI-89, TI-89 Titanium, and Voyage™ 200.

10 e.g., change/move user-created geometric constructions to see updated data, graph and calculations

11 Keys are not in QWERTY format

12 Available only when using the TI-84 Plus keypad

13 Only available in the TI-Nspire or TI-Nspire CAS Handheld with Touchpad

14 Only included in retail packages

15 Not available on TI-Nspire CAS with Clickpad handhelds