Graphing Handhelds	TI-73 Explorer™	TI-82	TI-83	TI-83 Plus	TI-83 Plus Silver Edition	TI-84 Plus	TI-84 Plus Silver Edition	TI-86	TI-89	TI-89 Titanium	Voyage™ 200
Display											
Display Size Pixels	64 x 96	64 x 96	64 x 96	64 x 96	64 x 96	64 x 96	64 x 96	64 x 128	100 x 160	100 x 160	128 x 240
Split Screen		●	●	●	●	●	●	●	●	●	●
Pretty Print									●	●	●
Scrollable Home Screen	●								●	●	●
Icon Desktop									Available	●	●
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	●	●	●	●	●	●	●	●	●	●	●
Mathematics											
Simultaneous Equation Solver				App	App[1]	App	App[1]	●	App[1]	App[1]	App[1]
Conic Graphing				App	App[1]	App[1]	App[1]				
Dynamic/Transformation Graphing				App	App[1]	App[1]	App[1]				
Inequality Graphing				App	App[1]	App[1]	App[1]				
Polynomial Root Finder				App	App[1]	App	App[1]	●	App[1]	App[1]	App[1]
Fraction Operations	●								●	●	●
Complex Numbers			●	●	●	●	●	●	●	●	●
Bin, Hex / Oct Operations								●/●	●/	●/	●/
Logic Operations	●	●	●	●	●	●	●	●	●	●	●
Interactive Equation Solver	●		●	●	●	●	●	●	●	●	●
Vector Operations				App[1]	App[1]	App[1]	App[1]	●	●	●	●
Trig Functions / Hyperbolic Functions	●/	●/●	●/●	●/●	●/●	●/●	●/●	●/●	●/●	●/●	●/●
Geometric Constructions/Transformations	App[1]			App	App[1]	App[1]	App[1]		App	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	App[1]	App[1]
Inflection Points								●	●	●	●
Minimums and Maximums		●	●	●	●	●	●	●	●	●	●

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Matrices											
Size	App	50 x 50[2]	50 x 50[2]	50 x 50[2]	50 x 50[2]	50 x 50[2]	50 x 50[2]	80 x 80[2]	No Limit[2]	No Limit[2]	No Limit[2]
Number	Up to 6	Up to 5	Up to 10	Up to 10	Up to 10	Up to 10	Up to 10	No Limit[2]	No Limit[2]	No Limit[2]	No Limit[2]
Eigenvalues, Eigenvectors								●	●	●	●
LU Decomp. / QR Factorization								●/	●/●	●/●	●/●
Data Analysis											
List Length	999 [2]	99 [2]	99 [2]	999 [2]	999 [2]	999 [2]	999 [2]	6000 [2]	No Limit[2]	No Limit[2]	No Limit[2]
Number of Lists	No Limit[2]	6	No Limit[2]	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 and Histograms	●	●	●	●	●	●	●	●	●	●	●
Pie Chart, Bar Chart / Pictograph	●/●			App /	App[1]/	App /	App[1]/				
One- and Two- variable Statistics	●	●	●	●	●	●	●	●	●	●	●
Number of Regression Models	5	8	10	10	10	10	10	9	10	10	10
Manual Fit Line	●			App	App[1]	App[1]	App[1]				
Combinations, Permutations, Random Numbers	●	●	●	●	●	●	●	●	●	●	●
Coin, Dice Toss	●			App[1]	App[1]	App[1]	App[1]				
Inferential Stat, Prob. Distributions			●	●	●	●	●	●[3]	App	App[1]	App[1]
Goodness of Fit, Mult. Regression, ANOVA 2way, RandSamp, CorrMat									App	App[1]	App[1]
Spreadsheets				App	App[1]	App	App[1]		App	App[1]	App[1]
Finance											
Interactive TVM Solver			●	●	●	●	●	●[3]	App[1]	App[1]	App[1]
Cash Flows, Amortizations			●	●	●	●	●	●[3]	App[1]	App[1]	App[1]
Science											
Physical Constants and Unit Manipulation				App[1]	App[1]	App[1]	App[1]	●	●	●	●
Significant Figures				App[1]	App[1]	App[1]	App[1]				
Metric Conversions	●			App[1]	App[1]	App[1]	App[1]	●	●	●	●
Periodic Table				App	App[1]	App	App[1]				
Other Specifications											
Clock						●	●		Available[4]	●	●
Prior Entry Recall	●	●	●	●	●	●	●	●	●	●	●
Catalog of Functions	●		●	●	●	●	●	●	●	●	●
I/O Port / USB Port	●/	●/	●/	●/	●/	●/●	●/●	●/	●/	●/●	●/
Unit-to-Unit Cable	●	●	●	●	●	New Mini USB Cable	New Mini USB Cable	●	●	New Mini USB Cable	●
Power / APD™ [5]	4AAA/●	4AAA/●	4AAA/●	4AAA/●	4AAA/●	4AAA/●	4AAA/●	4AAA/●	4AAA/●	4AAA/●	4AAA/●
QWERTY Keyboard Built-in / External				/Available	/Available	/Available	/Available		/Available	/Available	●/Available
Custom User-Defined Menus								●	●	●	●
Organizer				App	App[1]	App	App[1]		App	App[1]	App
Text File Editor				App	App[1]	App	App[1]		●	●	●
FLASH Memory (for installation of Apps and upgradeability)	●			●	●	●	●		●	●	●

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Accessories											
Computer Connectivity Software	Available	Available	Available	●	●	●	●	Available	Available	●	●
Computer Connectivity Cable	Available	Available	Available	Available	●	●	●	Available	Available	●	●
Data Collection (Compatible with CBL™, CBL 2™ and CBR™)	●	●	●	●	●	●	●	●	●	●	●
Display able to be projected[6]	ViewScreen model only				ViewScreen model only	●[7]	●[7]	ViewScreen model only	ViewScreen model only	ViewScreen model only	●
EXPLORATIONS™ Series Books	Available		Available	Available[8]	Available[8]	Available[8]	Available[8]	Available	Available[9]	Available[9]	Available[9]
Available Memory (approx.)											
RAM	25K	28K	27K	24K	24K	24K	24K	96K	188K	188K	188K
FLASH ROM	128K			160K	1.5MB	480K	1.5MB		702K	2.7MB	2.7MB

[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.