



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-Nspire	TI-86	TI-89	TI-Nspire CAS	TI-89 Titanium	Voyage™ 200
<b>Matrices</b>													
Size	App	50 x 50 <sup>2</sup>	50 x 50 <sup>2</sup>	50 x 50 <sup>2</sup>	50 x 50 <sup>2</sup>	50 x 50 <sup>2</sup>	50 x 50 <sup>2</sup>	No Limit <sup>2</sup>	80 x 80 <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>
Number	Up to 6	Up to 5	Up to 10	Up to 10	Up to 10	Up to 10	Up to 10	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>
Matrix Operations and Matrix Inverses								•			•		
Eigenvalues, Eigenvectors								•	•	•	•	•	•
LU Decomp. / QR Factorization								•	•/	•/•	•	•/•	•/•
<b>Data Analysis</b>													
List Length	999 <sup>2</sup>	99 <sup>2</sup>	99 <sup>2</sup>	999 <sup>2</sup>	999 <sup>2</sup>	999 <sup>2</sup>	999 <sup>2</sup>	No Limit <sup>2</sup>	6000 <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>
Number of Lists	No Limit <sup>2</sup>	6	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>	No Limit <sup>2</sup>
Stored Column Formulas	•		•	•	•	•	•	•		•	•	•	•
Named lists	•		•	•	•	•	•	•		•	•	•	•
Scatter Plots	•	•	•	•	•	•	•	•		•	•	•	•
Histograms	•	•	•	•	•	•	•	•		•	•	•	•
Pie Chart, Bar Chart / Pictograph	•/•			App /	App1/	App /	App1/	•		•	•	•	•
One- and Two- variable Statistics	•	•	•	•	•	•	•	•	•	•	•	•	•
Number of Regression Models	5	8	10	10	10	10	10	10	9	10	10	10	10
Manual Fit Line	•			App	App <sup>1</sup>	•	•	•			•		
Residual Squares and Sum of Squares								•			•		
Combinations, Permutations, Random Numbers	•	•	•	•	•	•	•	•	•	•	•	•	•
Coin, Dice Toss	•			App <sup>1</sup>	App <sup>1</sup>	App <sup>1</sup>	App <sup>1</sup>	•			•	App <sup>1</sup>	App <sup>1</sup>
Inferential Stat. Prob. Distributions			•	•	•	•	•	•	• <sup>3</sup>	App	•	App <sup>1</sup>	App <sup>1</sup>
Goodness of Fit, Mult. Regression, ANOVA								•		App	•	App <sup>1</sup>	App <sup>1</sup>
2way, RandSamp, CorrMat								•			•	App <sup>1</sup>	App <sup>1</sup>
Spreadsheets				App	App <sup>1</sup>	App	App <sup>1</sup>	•		App	•	App <sup>1</sup>	App <sup>1</sup>
<b>Finance</b>													
Interactive TVM Solver			•	•	•	•	•	•	• <sup>3</sup>	App <sup>1</sup>	•	App <sup>1</sup>	App <sup>1</sup>
Cash Flows, Amortizations			•	•	•	•	•	•	• <sup>3</sup>	App <sup>1</sup>	•	App <sup>1</sup>	App <sup>1</sup>
<b>Science</b>													
Physical Constants and Unit Manipulation				App <sup>1</sup>	App <sup>1</sup>	App <sup>1</sup>	App <sup>1</sup>		•	•	•	•	•
Significant Figures				App <sup>1</sup>	App <sup>1</sup>	App <sup>1</sup>	App <sup>1</sup>						
Metric Conversions	•			App <sup>1</sup>	App <sup>1</sup>	App <sup>1</sup>	App <sup>1</sup>		•	•	•	•	•
Periodic Table				App	App <sup>1</sup>	App	App <sup>1</sup>						
<b>Other Specifications</b>													
Clock										Available <sup>4</sup>		•	•
Prior Entry Recall	•	•	•	•	•	•	•	•	•		•	•	•
Catalog of Functions	•	•	•	•	•	•	•	•	•	•	•	•	•
I/O Port / USB Port	•/	•/	•/	•/	•/	•/•	•/•	• <sup>12</sup> /•	•/	•/	•/	•/•	•/
Unit-to-Unit Cable	•	•	•	•	•	New Mini USB Cable	New Mini USB Cable	•	•	•	•	New Mini USB Cable	•
Power / APD™ <sup>5</sup>	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•	4AAA/•
QWERTY Keyboard Built-in / External				/Available	/Available	/Available	/Available			/Available		/Available	•/Available
Separate Alpha Keys								• <sup>11</sup>			• <sup>11</sup>		
Custom User-Defined Menus									•	•		•	•
Organizer				App	App <sup>1</sup>	App	App <sup>1</sup>			App		App <sup>1</sup>	App
Text File Editor				App	App <sup>1</sup>	App	App <sup>1</sup>	•		•	•	•	•
FLASH Memory (for installation of Apps and upgradeability)	•			•	•	•	•	•		•	•	•	•

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<b>Testing Specifications</b>													
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								•			•		
<b>Accessories</b>													
<b>Companion Computer Software Available</b>													
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™, CBR 2™)	•	•	•	•	•	•	•	• (EZ Temp and CBR2 only)	•	•	• (EZ Temp and CBR2 only)	•	•
Display able to be projected <sup>6</sup>	ViewScreen model only				ViewScreen model only	• <sup>7</sup>	• <sup>7</sup>	•	ViewScreen model only	ViewScreen model only	•	ViewScreen model only	•
EXPLORATIONS™ Series Books	Available		Available	Available <sup>8</sup>	Available <sup>8</sup>	Available <sup>8</sup>	Available <sup>8</sup>	•	Available	Available <sup>9</sup>	•	Available <sup>9</sup>	Available <sup>9</sup>
<b>Available Memory (approx.)</b>													
RAM	25K	28K	27K	24K	24K	24K	24K	16MB	96K	188K	16MB	188K	188K
FLASH ROM	128K			160K	1.5MB	480K	1.5MB	20MB		702K	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