

| FEATURE                                |   |                               | fx-CG500<br>PRIZM CAS  |                                 |
|--|---|-------------------------------|--|---------------------------------|
| <b>HARDWARE</b>                        | Display                                     | Dot Matrix Display            | 320x528  |                                 |
|  |   | LCD (Color)                   | High Color   |                                 |
|  |   | LCD (Size)                    | 4.8"   |                                 |
|  |   | Status Bar                    | X  |                                 |
|  |   | Back-light                    | X  |                                 |
|  | CAS   |                               | X  |                                 |
|  | Memory (Bytes)                              |                               | 500KB  |                                 |
|  | Storage Memory Area<br>(Flash Memory)       |                               | 5.5MB (eAct)<br>24.0MB<br>(Flash Drive)                                    |                                 |
|  |   | Power Supply                  | Main<br>Rechargeable Battery Available<br>Approximate Battery Life (Hours) | AAA x 4<br>X<br>100h (Alkaline) |
|  | Exam Mode                                   |                               | -  |                                 |
| <b>SYSTEM</b>                          | Inputting                                   | Stylus                        | X  |                                 |
|  |   | Keyboard                      | Soft Keyboard  |                                 |
| <b>DISPLAY</b>                         | MENU  |                               | Menu, Icon   |                                 |
|  | Natural Textbook Display                    | Input / Output                | X  |                                 |
|  | Poly/Siml Result                            |                               | X  |                                 |
|  | Irrational Number Natural Display           |                               | X  |                                 |
|  | Mantissa+ Exponent Digits                   |                               | 10+3   |                                 |
| <b>STANDARD<br/>CALCULATION</b>        | Differential Coefficient of<br>Second Order |                               | X  |                                 |
|  | MOD_exponential                             |                               | -  |                                 |
|  | Simplify for Fraction                       |                               | X  |                                 |
|  | Int÷  |                               | -  |                                 |
|  | Rmdr  |                               | -  |                                 |
|  | Mod (Remainder)                             |                               | X  |                                 |
|  | GCD/LCM                                     |                               | X  |                                 |
|  | Random                                      | Integer                       | X  |                                 |
|  | <b>COMPLEX NUMBER</b>                       |                               | X  |                                 |
|  | <b>GRAPHING</b>                             | X=f(y) Graph                  |  | X                               |
| Inequality Graph                       |   |                               | X  |                                 |
| 3D Graph                               |   |                               | X  |                                 |
| Composite Function Graph               |   |                               | X  |                                 |
| MODIFY                                 |   |                               | X  |                                 |
|  |   | Copy Modified Expression      | -  |                                 |
| Slider                                 |   |                               | X  |                                 |
| <b>DYNAMIC</b>                         |   | X                             |  |                                 |
| <b>DIFFERENTIAL<br/>EQUATION GRAPH</b> |   | X                             |  |                                 |
| <b>CONICS</b>                          |   |                               | X  |                                 |
|  | Graph Type                                  | Pol/Param Format              | -  |                                 |
| <b>TABLE</b>                           |   |                               | X  |                                 |
|  | Color                                       |                               | X  |                                 |
| <b>RECURSION</b>                       |   |                               | 3 Formulas   |                                 |
|  | Cob-WEB                                     |                               | X  |                                 |
|  | Color                                       |                               | X  |                                 |
| <b>MATRIX</b>                          |   |                               | X  |                                 |
|  | Operation                                   | Number of Available Matrices  | X  |                                 |
|  |   | Complex Number Availability   | X  |                                 |
| <b>VECTOR</b>                          |   |                               | X  |                                 |
| <b>LIST</b>                            |   |                               | X  |                                 |
| <b>STATISTICS</b>                      |   | Frequency (for Decimal Value) | X  |                                 |
|  | STAT TEST                                   |                               | 11   |                                 |
|  | Confidence Interval                         |                               | 8  |                                 |
|  | Distribution                                |                               | 24   |                                 |
|  |   |                               | HyperGeometric   | X                               |
|  |   |                               | Probability Simulation   | X                               |
| <b>FINANCIAL (TVM)</b>                 |   |                               | X  |                                 |
|  | Function                                    |                               | X  |                                 |
|  | Depreciation                                |                               | X  |                                 |
|  | BondCalculation                             |                               | X  |                                 |
| <b>EQUATION</b>                        |   |                               | X  |                                 |
|  | Simultaneous Equations                      |                               | X  |                                 |
|  |   |                               | n-th (Maximum)   | 24                              |
|  |   |                               | Complex Number Availability  | X                               |
|  | Polynomial Equation                         |                               | X  |                                 |
|  |   |                               | Degree (Maximum)   | 30                              |
| <b>SOLVE</b>                           |   |                               | X  |                                 |
|  | Solve for Multi Solution                    |                               | X  |                                 |
| <b>SPREADSHEET</b>                     |   |                               | X  |                                 |
|  | Graph                                       | Regression (10 functions)     | X (8)  |                                 |
|  |   | Pie Chart                     | X  |                                 |
|  |   | Bar Chart                     | X  |                                 |
|  |   |                               |  | X                               |

# CASIO

## fx-CG500

### PRIZM™ CAS



The fx-CG500 brings touchscreen technology to the graphing calculator. Its extra-large screen allows for more complete and detailed viewing of mathematics and its drag-and-drop functionality enables students to quickly and intuitively pull information from one representation into another. Incorporating Casio's standard Natural Textbook Display, convenient drop-down menus, and a handy soft keyboard, the fx-CG500 will impress you with how easy to use it can be.

| FEATURE                       |                             |                  | fx-CG500<br>PRIZM CAS |   |
|-------------------------------|-----------------------------|------------------|-----------------------|---|
| <b>e-ACTIVITY</b>             |                             |                  | X                     |   |
| <b>PROGRAM</b>                |                             |                  | X                     |   |
| <b>LOGIC</b>                  |                             |                  | Preloaded             |   |
| <b>BASE-N</b>                 |                             |                  | X                     |   |
| <b>GEOMETRY</b>               |                             |                  | X                     |   |
| <b>SCIENCE</b>                |                             |                  | Preloaded             |   |
|                               | Periodic Table              |                  | Preloaded             |   |
|                               | Scientific Constants        |                  | Preloaded             |   |
|                               | Metric Conversion           |                  | -                     |   |
| <b>PICTUREPLOT</b>            | Graphs on the Picture       |                  | X                     |   |
| <b>TEXT EDITOR</b>            |                             |                  | X                     |   |
| <b>SENSOR<br/>CONNECTION</b>  |                             |                  | X                     |   |
| <b>COMMUNICATION</b>          |                             |                  | X                     |   |
|                               | USB                         |                  | X                     |   |
|                               |                             | Mass Storage     |                       | X |
|                               | 3pin Cable                  |                  | X                     |   |
|                               | Add-In                      |                  | -                     |   |
|                               | Direct Projector Connection | Casio Projectors |                       | X |
|                               | <b>OTHER</b>                | Catalog          | Command List          | X |
|                               |                             | Catalog Help     | -                     |   |
|                               |                             | Category Display | -                     |   |
| Undo                          |                             |                  | X                     |   |
| Clipboard                     |                             |                  | X                     |   |
| Color Brackets                |                             | -                |                       |   |
| User/School Name Registration |                             |                  | X                     |   |