

| FEATURE                            |  | fx-CG10 PRIZM                  |            |   |
|------------------------------------|--|--------------------------------|------------|---|
| <b>HARDWARE</b>                    | Display                                  | Dot Matrix Display             | 384 x 216  |   |
|                                    |  | LCD (Color)                    | High color |   |
|                                    |  | LCD (Size)                     | 3.17"      |   |
|                                    |  | Status Bar                     | X          |   |
|                                    |  | Back-light                     | X          |   |
|                                    | CAS                                      | -                              |            |   |
|                                    | Memory (Bytes)                           | 60KB                           |            |   |
|                                    | Storage Memory Area (Flash Memory)       | 16MB                           |            |   |
|                                    | Power Supply                             | Main                           | AAA x 4    |   |
|                                    |  | Rechargeable Battery Available | X          |   |
| Approximate Battery Life (Hours)   |  | 140h                           |            |   |
| Exam Mode                          | X  |                                |            |   |
| <b>SYSTEM</b>                      | Inputting                                | Stylus                         | -          |   |
|                                    |  | Keyboard                       | X          |   |
| <b>DISPLAY</b>                     | MENU                                     | Function Menu, Icon            |            |   |
|                                    | Natural Textbook Display                 | Input / Output                 | X          |   |
|                                    | Poly/Siml Result                         |                                | X          |   |
|                                    | Irrational Number Natural Display        |                                | X          |   |
|                                    | Mantissa+ Exponent Digits                |                                | 10+2       |   |
| <b>STANDARD CALCULATION</b>        | Differential Coefficient of Second Order |                                | X          |   |
|                                    | MOD_exponential                          |                                | X          |   |
|                                    | Simplify for Fraction                    |                                | X          |   |
|                                    | Int÷                                     |                                | X          |   |
|                                    | Rmdr                                     |                                | X          |   |
|                                    | 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                                 |                                | -          |   |
|                                    | Composite Function Graph                 |                                | X          |   |
|                                    | MODIFY                                   | Copy Modified Expression       | X          |   |
| Slider                             |  | -                              |            |   |
| <b>DYNAMIC</b>                     |  | X                              |            |   |
| <b>DIFFERENTIAL EQUATION GRAPH</b> |  | -                              |            |   |
| <b>CONICS</b>                      |  | X                              |            |   |
|                                    | Graph Type                               | Pol/Param Format               | X          |   |
| <b>TABLE</b>                       |  | X                              |            |   |
|                                    | Color                                    |                                | X          |   |
| <b>RECURSION</b>                   |  | 3 Formulas                     |            |   |
|                                    | Cob-WEB                                  |                                | X          |   |
|                                    | Color                                    |                                | X          |   |
| <b>MATRIX</b>                      |  | 999*999                        |            |   |
|                                    | Operation                                | Number of Available Matrices   | 26         |   |
|                                    |  | Complex Number Availability    | X          |   |
| <b>VECTOR</b>                      |  | X                              |            |   |
| <b>LIST</b>                        |  | X                              |            |   |
| <b>STATISTICS</b>                  |  | X                              |            |   |
|                                    |  | Frequency (for Decimal Value)  | X          |   |
|                                    | STAT TEST                                |                                | 11         |   |
|                                    | Confidence Interval                      |                                | 6          |   |
|                                    | Distribution                             |                                | 24         |   |
| HyperGeometric                     |  |                                | X          |   |
|                                    | Probability Simulation                   |                                | Add-in     |   |
| <b>FINANCIAL (TVM)</b>             |  | X                              |            |   |
|                                    | Function                                 |                                | X          |   |
|                                    | Depreciation                             |                                | X          |   |
|                                    | BondCalculation                          |                                | X          |   |
| <b>EQUATION</b>                    |  | X                              |            |   |
|                                    | Simultaneous Equations                   |                                | X          |   |
|                                    |  | n-th (Maximum)                 |            | 6 |
|                                    |  | Complex Number Availability    |            | X |
|                                    | Polynomial Equation                      |                                | X          |   |
| Degree (Maximum)                   |  |                                | 6          |   |
| <b>SOLVE</b>                       |  | X                              |            |   |
|                                    | Solve for Multi Solution                 |                                | X          |   |
| <b>SPREADSHEET</b>                 |  | X                              |            |   |
|                                    | Graph                                    | Regression (10 functions)      | X          |   |
|                                    |  | Pie Chart                      |            | X |
|                                    |  | Bar Chart                      |            | X |
| <b>e-ACTIVITY</b>                  |  | X                              |            |   |

# CASIO

## fx-CG10

### PRIZM™



PRIZM™ is revolutionary among graphing calculators with features that enhance users' understanding of mathematics. With conventional graphing calculators, students learn by inputting equations to create graphs. PRIZM™ creates a whole new way to learn math by enabling students to experiment by creating their own graphs over pictures of real-life scenes, and then understand the functions from the graphs that they created on their own. (not C.A.S.)

| FEATURE                       |                             | fx-CG10 PRIZM    |                |
|-------------------------------|-----------------------------|------------------|----------------|
| <b>PROGRAM</b>                |                             | X                |                |
| <b>LOGIC</b>                  |                             | X                |                |
| <b>BASE-N</b>                 |                             | X                |                |
| <b>GEOMETRY</b>               |                             | Preloaded        |                |
| <b>SCIENCE</b>                |                             | X                |                |
|                               | Periodic Table              |                  | Preloaded      |
|                               | Scientific Constants        |                  | Preloaded      |
|                               | Metric Conversion           |                  | Preloaded      |
| <b>PICTUREPLOT</b>            | Graphs on the Picture       | X                |                |
| <b>TEXT EDITOR</b>            |                             | -                |                |
| <b>SENSOR CONNECTION</b>      |                             | X                |                |
| <b>COMMUNICATION</b>          |                             | X                |                |
|                               | USB                         |                  | X              |
|                               |                             | Mass Storage     |                |
|                               | 3pin Cable                  |                  | X              |
|                               | Add-In                      |                  | X              |
|                               | Direct Projector Connection | Casio Projectors | X              |
|                               | <b>OTHER</b>                | Catalog          | Command List   |
| Catalog Help                  |                             |                  | -              |
|                               |                             | Category Display | X              |
| Undo                          |                             |                  | X (Math input) |
| Clipboard                     |                             |                  | X              |
| Color Brackets                |                             | X                |                |
| User/School Name Registration |                             | X                |                |