

BEGINNING GRAPHING CALCULATORS
WITH THE
CASIO FX-7400G

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MAIN MENU

**The icon that is highlighted is the one that is currently "selected".

**To enter the highlighted mode, press [EXE], or press the number in the bottom right corner of the icon.

WHAT DOES EACH ICON DO?

*The following explains the meaning of each icon in the Main Menu:

RUN Mode- Run

Use this mode for arithmetic, fraction, list & function calculations.

STAT Mode- Statistics

Use this mode for single & two variable statistical calculations & graphing. Enter up to 6 lists of data.

LIST Mode- List

Use this mode for entering statistical data. Same as STAT mode.

GRAPH Mode- Graphing

Use this mode for inputting graph function, draw their graphs, and perform analysis on graphs.

TABLE Mode- Table

Use this mode for generating tables from equations.

PRGM Mode- Programming

Use this mode for writing, reading, and executing programs.

CONT Mode- Contrast

Use this mode for adjusting the display contrast.

MEM Mode- Reset the Memory

Use this mode to reset the calculator to initial parameters.

BASIC KEYS

[MENU] Will always bring you back to the HOME MENU.

[QUIT] Will back-out of last step, to leave an option you have chosen, while remaining in the icon mode.

[f1]...[f4] Function keys- controls menu found on the bottom line of the calculator screen.
Menu changes to present available options within the icon you have selected.

[SHIFT] Activates yellow operation written above key.

[ALPHA] Activates red operation written above key.

MEM ICON

**Resets the entire memory of the calculator, returning original calculator defaults

↓][RESET] [EXE] [F1=yes]

[MENU] Return to main menu.

RUN ICON

RUN Mode

General calculations

Select the RUN ICON- use arrows or press [1]

• If you would like to make any changes to the calculator "set-up", press:

[SHIFT] Accesses yellow writing on top of keys.

[MENU]-(setup) Setup

Arrow down to item you wish to change, Use keys F1-F4 for options.

[QUIT] Takes you one step back, out of "setup".

TO RECALL LAST EQUATION

Calculate $3 + 3$ [EXE]

[←] Use left arrow to recall last equations and make changes.

[EXE] To EXECUTE, after changes have been made.

TO STORE A VALUE AS A LETTER

[5] [→] [ALPHA] [A] [EXE]

[6] [→] [ALPHA] [B] [EXE]

[ALPHA] [A] [+] [ALPHA] [B] [EXE]

FRACTIONS

[2] [a^{b/c}] [1] [a^{b/c}] [2] To enter 2½.
 [F↔D] Press this several times for fraction to decimal toggle.
 [SHIFT] [a^{b/c}] For improper fraction to mixed numeral toggle.

OPTIONS

Press [OPTN] key for several choices of other functions. These options change in every icon.

GRAPH ICON

SELECT: the GRAPH ICON- use arrows or press [4]
 **Access all advanced Graphing functions including:
 Rectangular
 Parametric Inequality

SOFT MENU:

[SEL] -Select the equation you do not want to graph. "turn-on" or "turn-off" stored equations.
 [DEL] -Delete a stored equation which is presently highlighted.
 [DRAW] -Draw selected graphs.

[] Arrow key located beside the [F4] key gives you more options...
 Choose Parametric or Inequality Equation Types, or return to Rectangular type.

EXAMPLE: GRAPH Y1= 2 cos x, and Y2= x³ -2x Set [RANGE] to [init]

KEY TO HIT	ACTIVATES THIS OPERATION	DESCRIPTION	INTERSECTION?
2 cos x			
[EXE]	stores equation	-Choose Y1 as the place to store	
x ³ -2x			
[EXE]	stores equation	-Choose Y2 as the place to store	
[F4]-draw	(DRAW)	-Graphs equation, with labels	How Many Intersections Are there?

Graph Analysis:

[F1]-(TRC) TRACE Move cursor along function curve viewing coordinates.
 Tracing ALWAYS begins on the far left of the screen, not always visible.
 [F2]-(ZM) ZOOM Box, Set Factor, Zoom in, Zoom Out, [] reveals...ORG-original graph view.
 [F3]-(V-Window) Viewing Window Set viewing window for graph, range and domain.
 [F4]-(Sketch) SKETCH Clear drawings, Plot points, and Draw line including vertical and horizontal.

ZOOM BOX		ZOOM IN
[SHIFT] [F2]	(ZOOM)	
[F1]-box	(BOX)	-Draw a box around area to zoom in on.
[] [↵]	arrow up, arrow left	-Move to upper left box corner
[EXE]		-Nail down corner
[] [] [EXE]	arrow down & right	-Lower right box corner-around intersection
		-[F2] fact- set: x & y =20
		-[F3] zoom in

GRAPH-TEXT	TOGGLE
[G T]	Graph -Text toggle -Hit 3 times to get to function menu.

INEQUALITY	GRAPH
[F2]-Del	Delete function
[F1]-yes	yes -Choose Y1 to delete
[] []	more Reveals more options. Hit twice.
[F1]-Y>	(Inequality)
sin x	
[EXE]	Stores equation
[F6]-draw	(DRAW) -Draws and shades inequality region

**NOW TRY THE TABLE ICON BY ENTERING EQUATION AND PRESSING [F4].
 REMEMBER THAT YOUR CHOICES WILL ALMOST ALWAYS BE AVAILABLE ON SCREEN.
 EXPLORE THE [OPTN] KEY IN EACH MODE, AND THE [] KEY BESIDE THE [F4] KEY IN EACH MODE.**