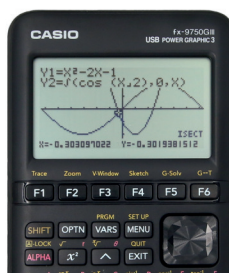# Graphing Calculator
Comparison Chart
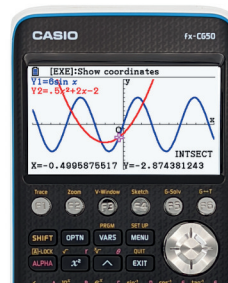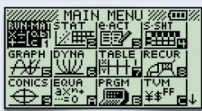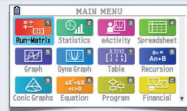
		fx-9750GIII ("G3")	fx-CG50	fx-CG100
PHYSICAL SPECS	Dimensions - L x W x H (in.)	6.91 x 3.29 x 0.74	7.42 x 3.50 x 0.73	7.37 x 3.48 x 0.74
	Weight (oz.) including batteries	6.70	8.11	7.94
	Power source	4 x AAA	4 x AAA	4 x AAA
	Approximate battery life	230 hrs.	140 hrs.	140 hrs.
	Housing design	Smooth	Textured	Textured edge
	Cover style	Slide-on hard plastic	Slide-on hard plastic	Snap-on hard plastic
	Random access memory	61 KB	61 KB	61 KB
	Storage memory	3 MB	16 MB	4.5 MB
	Communication ports	USB Mini and 3-pin	USB Mini and 3-pin	USB-C and 3-pin
	Directional buttons	Rectangular d-pad	Circular d-pad	Arrow and tab keys
DISPLAY	Display resolution	128 x 64	384 x 216	384 x 216
	Screen size (diagonal)	2.63"	3.17"	3.17"
	Color display	—	✔	✔
	Display input and output*			
	Natural textbook display, exact representation	✔	✔	✔
	Mantissa + exponential digits	10+2	10+2	10+2
	Menu / mode selection	Icon list with shortcuts	Icon list with shortcuts	Icon list with shortcuts
	Quick selection	Function keys (F1 - F6)	Function keys (F1 - F6)	Tabs / TOOLS Key
GRAPHING	Rectilinear, polar, and parametric graphing	✔	✔	✔
	Inequality graphing and shading	✔	✔	✔
	Composite graphing of functions	✔	✔	✔
	3-dimensional graphing on x, y, and z axes	—	✔	✔
	Graph 'MODIFY' feature	—	✔	✔
	Copy modified expressions	—	✔	✔
	Picture Plot (superimpose images in graph)	—	✔	—
APPS / MODES	Tables	✔	✔	Integrated w/ Graph App
	Recursion	3 formulas	3 formulas	3 formulas
	Matrix	26 matrices (size based on available memory)	26 matrices (size based on available memory)	26 matrices (size based on available memory)
	Vector	✔	✔	✔
	Statistics	✔	✔	✔
	STAT tests	11	11	11
	Confidence interval	6	6	6
	Distribution	24	24	24
	Hypergeometric distribution	✔	✔	✔
	Probability simulation	Add-in	Preloaded	✔
	Graphs and visualization	✔	✔	✔

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* Color and contrast may vary due to user preferences and ambient lighting conditions

		fx-9750GIII ("G3")	fx-CG50	fx-CG100
APPS / MODES	Prime factorization	—	—	✔
	Financial depreciation (simple, complex)	✔	✔	✔
	Financial bond calculation	✔	✔	✔
	Equation Solver	✔	✔	✔
	Solver for Multi-Solution	✔	✔	✔
	Simultaneous Equation Solver	✔	✔	✔
	n-th (maximum)	6	6	6
	Complex number availability	✔	✔	✔
	Exact solution message	✔	✔	✔
	Polynomial equation	✔	✔	✔
	Poly degree (maximum)	6	6	6
	Spreadsheet	✔	✔	✔
	Regressions	12	12	12
	Graph (pie chart, bar chart)	✔	✔	✔
	MicroPython programming	✔	✔	✔
	Casio BASIC programming	✔	✔	—
	E-Activity	✔	✔	—
	Base-N	✔	✔	✔
	Geometry	Preloaded	Preloaded	✔
	Science	✔	✔	✔
	Periodic Table	Add-in	Preloaded	✔
	Scientific constants	Add-in	Preloaded	✔
	Metric conversion	Preloaded	Preloaded	✔
QoL FEATURES	Catalog of commands and functions	✔	✔	✔
	'UNDO' command	✔	✔	✔
	Clipboard (copy/paste)	✔	✔	✔
TEST APPROVAL	Approval for PSAT®/NMSQT®	✔	✔	✔
	Approval for SAT® I / II	✔	✔	✔
	Approval for ACT®	✔	✔	✔
	Approval for AP®	✔	✔	✔
	Approval for IB®	✔	✔	✔
	Exam Mode	Button Sequence	Sub Menu Option	**Main Menu Option**

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Graphing Calculator Comparison Chart 2 of 2
ED_PUB_GRAPHCOMPARISON_06062025

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