

CASIO

GRAPHING CALCULATOR

COMPARISON CHART



FEATURES		CASIO	TI	CASIO	TI	CASIO	TI
MAIN	SUBCATEGORY	fx-CG500 PRIZM CAS	TI-Nspire CX II CAS	fx-CG50	TI-84 PLUS CE	fx-9750GIII	TI-84 Plus
HARDWARE	Dot Matrix Display	320 x 528	320 x 240	384 x 216	320 x 240	128 x 64	96 x 64
	LCD (Color)	High Color	High Color	High color	High Color	Monochrome	Monochrome
	LCD (Size) - Diagonal	4.8"	3.2"	3.17"	2.8"	2.63"	2.51"
	Status Bar	X	X	X	X	-	-
	Backlight	X	X	X	X	-	-
	CAS	X	X	-	-	-	-
	Memory (Bytes)	500KB	64KB	61KB	154KB	61KB	24KB
	Storage Memory Area (Flash Memory)	5.5MB (eAct) 24.0MB (FlashDrive)	128MB	16MB	3MB	3MB	480KB
	Main Power Supply	AAA x 4	Rechargeable Battery	AAA x 4	Rechargeable Battery	AAA x 4	AAA x 4
	Rechargeable Battery Available	X	X	X	X	-	-
Approximate Battery Life (Hours)	100 hours (Alkaline) 60 hours (Ni-MH)	N/A	140 hours	N/A	230 hours	N/A	
SYSTEM INPUT	Stylus	X	-	-	-	-	-
	Keyboard	Soft Keyboard	X	X	X	X	X
DISPLAY	MENU	Menu, Icon	Menu, Icon	Function Menu, Icon	Pull Down	Function Menu, Icon	Pull Down
	Natural Textbook Display Input & Output	X	X	X	-	X	-
	Natural Textbook Display Input/Mixed Display Output	-	-	-	X	X	X
	Natural Textbook Display of Polynomial/Simultaneous Results	X	X	X	X	X	-
	Irrational Number Natural Display	X	X	X	-	X	-
Mantissa+Exponent Digits	10+3	10+3	10+2	10+2	10+2	10+2	
STANDARD CALCULATION	Differential Coefficient of Second Order	X	X	X	-	X	-
	Simplify Fractions	X	-	X	X	X	X
	GCD/LCM	X	X	X	X	X	X
	Int÷	-	int	X	int	X	int
	Rmdr	-	X	X	X	X	X
	Mod (Remainder)	X	X	X	-	X	-
	MOD_exponential	X	X	X	-	X	-
	Random Integer	X	X	X	X	X	X
Complex Numbers	X	X	X	X	X	X	
GRAPH	X=f(y) Graph	X	-	X	-	X	-
	Inequality Graph	X	X	X	X	X	X

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GRAPH (CONTINUED)	3D Graph	X	X	X	-	-	-
	Composite Function Graph	X	X	X	X	X	X
	MODIFY	X	X	X	-	-	-
	Copy Modified Expression	-	-	X	-	-	-
	Sliders	X	X	-	-	-	-
DYNAMIC GRAPH	X	-	X	X (Transform APP)	X	X (Transform APP)	
DIFFERENTIAL EQUATION GRAPH	X	X	-	-	-	-	
CONICS	Graph Type - Rectangular	X	X	X	X	X	X
	Graph Type - Polar	X	X	X	X	X	X
	Graph Type - Parametric	X	X	X	X	X	X
TABLE		X	X	X	X	X	X
	Color	X	X	X	X	-	-
RECURSION		3 formulas	X	3 formulas	3 formulas	3 formulas	3 formulas
	Cob-WEB	X	X	X	X	X	X
	Color	X	X	X	X	-	-
MATRIX		X	X	999*999	99*99	999*999	99*99
	Number of Available Matrices	Depends on memory	Depends on memory	26	10	26	10
	Complex Number Availability	X	X	X	-	X	-
VECTOR		X	X	X	X (Science tools)	X	X (Science tools)
STATISTICS	Lists	X	X	X	X	X	X
	Frequency (Decimal Value)	X	X	X	X	X	X
	STAT Tests	12	13	11	11	11	11
	Confidence Interval	6	8	6	7	6	7
	Distribution	24	20	24	16	24	16
	HyperGeometric Distribution	X	-	X	-	X	-
	Probability Simulation	X	-	Add-In	Preloaded	Add-In	Preloaded
FINANCIAL (TVM)		X	X	X	Preloaded	X	Preloaded
	Function	X	X	X	X	X	X
	Depreciation	X	-	X	-	X	-
	Bond Calculation	X	-	X	-	X	-
EQUATION	Equation Solver	X	Includes Solve Function	X	Preloaded	X	(Preloaded)
	Solver for Multi-Solution	X	X	X	-	X	-
	Simultaneous Equation Solver	X	X	X	X	X	X
	n-th (Maximum)	up to CAS capability	up to CAS capability	6	10	6	10
	Complex Number Availability	X	-	X	-	X	-
	Exact Soltion Message (i.e. No Solution, Undefined)	X	X	X	X	-	X
	Polynomial Equation	X	X	X	X	X	X
	Poly Degree (Maximum)	up to CAS capability	up to CAS capability	6	10	6	10
SPREADSHEET		X	X	X	Preloaded	X	Preloaded
	Regressions	11	13	12	1	12	1

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SPREADSHEET (CONTINUED)	Graph - Pie Chart	X	X	X	X	X	X
	Graph - Bar Chart	X	X	X	X	X	X
E-ACTIVITY		X	Documents	X	-	X	StudyCard
PROGRAM		X	X	X	X	X	X
LOGIC		X	X	X	X	X	X
BASE-N		X	X	X	X	X	X
GEOMETRY		X	X	Preloaded	Preloaded	Preloaded	Preloaded
SCIENCE		Preloaded	X	X	Preloaded	X	Preloaded
	Periodic Table	Preloaded	Add-In	Preloaded	Preloaded	Add-In	Add-In
	Scientific Constants	Preloaded	-	Preloaded	Preloaded	Add-In	Preloaded
	Metric Conversion	-	X	Preloaded	Preloaded	Preloaded	Preloaded
PICTURE PLOT	Using Images as Background	X	X	X	X	-	-
	Using Animation as Background	X	-	X	-	-	-
SENSOR CONNECTION		CLAB	EasyLink, EasyTemp CBR2	CLAB	EasyLink, EasyTemp CBR2	CLAB	EasyLink, EasyTemp CBR2
COMMUNICATION	USB	X	X	X	X	X	X
	Mass Storage	X	X	X	-	X	-
	3pin	X	X	X	-	X	X
	Add-in	X	-	X	X	X	X
	Direct Connection - CASIO Projectors	X	-	X	-	X	-
OTHER	Catalog Command List	X	X	X	X	X	X
	Catalog Help	-	X	X	X	X	-
	Catalog Category Display	-	X	X	-	X	-
	Undo	X	X	X	-	X	-
	Clipboard	X	X	X	-	X	-
	Color Brackets	-	-	X	-	-	-
	Testing Mode	Exam Mode	Test Guard™	Exam Mode	Test Guard™	Exam Mode	Test Guard™