

Calculator Comparison



		fx-CG50	fx-9860GIII	fx-991EX	fx-83GTX fx-85GTX
Hardware	Type	Graphic	Graphic	Scientific	Scientific
	Resolution	Hi-Res colour	Lo-Res B&W	Hi-Res B&W	Hi-Res B&W
	Display	Natural maths	Natural maths	Natural maths	Natural maths
	Menu operation	✓	✓	✓	✓
Calculation	Log, exponential, trigonometric, hyperbolic	✓	✓	✓	✓
	Complex number	✓	✓	✓	✗
	Numerical differentiation and integration	✓	✓	✓	✗
	Simultaneous equation solve	✓	✓	✓	✗
	Polynomial solve	✓	✓	✓	✗
	Numerical solve multi-solution	✓	✓	✗	✗
	Tables (number of functions)	20	20	2	2
	Tables – derivative	✓	✓	✗	✗
	Equivalent ratios	✗	✗	✓	✓
	Recursion	✓	✓	✗	✗
	Vector arithmetic	✓	✓	✓	✗
	Matrix arithmetic	✓	✓	✓	✗
	Spreadsheet	✓	✓	✓	✗
	Financial	✓	✓	✗	✗
Graph	Plot Cartesian, parametric, polar graphs	✓	✓	✗	✗
	Plot inequalities	✓	✓	✗	✗
	Plot & analyse conics	✓	✓	✗	✗
	Plot & analyse 3D graphs	✓	✗	✗	✗
	Vertices, roots, intersections	✓	✓	✓ ¹	✗
	Sketch tangent, normal, inverse	✓	✓	✗	✗
	Graph derivative function	✓	✓	✗	✗

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	Graphic integration between limits	✓	✓	✗	✗
	Graphic integration between roots & intersections	✓	✗	✗	✗
	Variable transformations	✓	✗	✗	✗
	3D graphs	✓	✗	✗	✗
Data	Mode	✓	✓	✗	✗
	Mean , standard deviation	✓	✓	✓	✓
	Quartiles	✓	✓	✓	✓
	Random sample	✓	✗	✗	✗
	Regression	✓	✓	✓	✓
	Charts	✓	✓	✗	✗
	Data import	✓	✓	✗	✗
Probability Distribution	Normal	✓	✓	✓	✗
	Binomial	✓ ²	✓ ³	✓ ⁴	✗
	Poisson	✓ ²	✓ ³	✓ ⁴	✗
	χ^2 , Student-t	✓ ²	✓ ²	✗	✗
	Advanced distributions	✓	✓	✗	✗
	Distribution graphs	✓ ⁵	✓ ⁵	✗	✗
	Tests	✓	✓	✗	✗
Program	BASIC-like	✓	✓	✗	✗
	Micro Python	✓	✓	✗	✗

¹ Calculate vertices and roots only, no plotting or intersections

² Probability, cumulative between bounds including left and right tail, inverse

³ Probability, cumulative left tail (not between bounds or right tail), inverse

⁴ Probability and cumulative left tail (not between bounds or right tail), no inverse

⁵ Normal, Student-t, χ^2 , F- distributions

All our calculators are permitted in UK exams. For further details and other exam boards, please see our website <https://education.casio.co.uk/exams>