

# Calculator Comparison



		fx-CG50	fx-9860	fx-9750	fx-991EX	fx-83GTX fx-85GTX
Hardware	Type	Graphic	Graphic	Graphic	Scientific	Scientific
	Resolution	Hi-Res colour	Lo-Res B&W	Lo-Res B&W	Hi-Res B&W	Hi-Res B&W
	Display	Natural maths	Natural maths	In-line maths	Natural maths	Natural maths
	Menu operation	✓	✓	✓	✓	✓
Calculation	Log, exponential, trigonometric, hyperbolic	✓	✓	✓	✓	✓
	Complex number	✓	✓	✓	✓	✗
	Numerical calculus	✓	✓	✓	✓	✗
	Simultaneous equation solve	✓	✓	✓	✓	✗
	Polynomial solve	✓	✓	✓	✓	✗
	Numerical solve multi-solution	✓	✓	✓	✗	✗
	Tables (number of functions)	20	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	✓	✓	✓	✓ <sup>1</sup>	✗
	Sketch tangent, normal, inverse	✓	✓	✓	✗	✗

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		fx-CG50	fx-9860	fx-9750	fx-991EX	fx-83GTX fx-85GTX
	Graph derivative function	✓	✓	✓	✗	✗
	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	✓	✓ <sup>6</sup>	✗	✗	✗
Probability Distribution	Normal	✓	✓	✓	✓	✗
	Binomial	✓ <sup>2</sup>	✓ <sup>3</sup>	✓ <sup>3</sup>	✓ <sup>4</sup>	✗
	Poisson	✓ <sup>2</sup>	✓ <sup>3</sup>	✓ <sup>3</sup>	✓ <sup>4</sup>	✗
	$\chi^2$ , Student-t	✓ <sup>2</sup>	✓ <sup>2</sup>	✓ <sup>2</sup>	✗	✗
	Advanced distributions	✓	✓	✓	✗	✗
	Distribution graphs	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✗	✗
	Tests	✓	✓	✓	✗	✗
Program	BASIC-like	✓	✓	✓	✗	✗
	Micro Python	✓	✗	✗	✗	✗

<sup>1</sup> Calculate vertices and roots only, no plotting or intersections

<sup>2</sup> Probability, cumulative between bounds including left and right tail, inverse

<sup>3</sup> Probability, cumulative left tail (not between bounds or right tail), inverse

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

<sup>5</sup> Normal, Student-t,  $\chi^2$ , F- distributions

<sup>6</sup> Requires separate program