

FCNS	Functions (equation)					
g-shift	w_m	w_p	w^{-1}	$\sqrt[y]{x}$	$x!$	$\Gamma(x)$
f-shift	$\text{sinc}\pi$	$\sinh$	TAN	$\tanh$	T_n	U_n
unshifted	PERM	P_n	Re	RMD	SIN	sinc
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Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p3	FCNS	MENU (ASM)	Functions (equation)	Catalog of all calculator functions available in Equation Input Mode ; Info : Type characters 1-2 to search	Catalog		FCNSe	
F1	PERM	Function (dyadic)	Permutations	Permutations of X out of Y	Probability		PERM	
F2	P _n	Function (dyadic)	Legendre polynomials	Legendre polynomials ; Parameter : x = X ; n = Y	Mathematics		P _n	
F3	Re	Function (monadic)	Real part	Real part of Complex number	Complex numbers		Re	
F4	RMD	Function (dyadic)	Remainder	Remainder of division of Y by X	Integers		RMD	
F5	SIN	Function (monadic)	Sine	Sine	Trigonometry		SIN	
F6	sinc	Function (monadic)	Sinc	Calculate (Sine of X) / X ; Info : Integers and untagged reals are assumed to be radians	Mathematics		sinc	
fF1	sinc π	Function (monadic)	Sinc pi	Calculate (Sine of $\pi \times X$) / ($\pi \times X$) ; Info : Integers and untagged reals are assumed to be radians	Mathematics		sinc π	
fF2	sinh	Function (monadic)	Hyperbolic sine	Hyperbolic sine	Mathematics		sinh	
fF3	TAN	Function (monadic)	Tangent	Tangent	Trigonometry		TAN	
fF4	tanh	Function (monadic)	Hyperbolic tangent	Hyperbolic tangent	Mathematics		tanh	
fF5	T _n	Function (dyadic)	Chebyshev polynomials (1st)	Chebyshev polynomials of the 1st kind ; Parameter : x = X ; n = Y	Mathematics		T _n	
fF6	U _n	Function (dyadic)	Chebyshev polynomials (2nd)	Chebyshev polynomials of the 2nd kind ; Parameter : x = X ; n = Y	Mathematics		U _n	
gF1	W _m	Function (monadic)	Lambert's W function (negative)	Lambert's W function (negative branch) ; m = minus -- see http://en.wikipedia.org/wiki/Lambert_W_function	Mathematics		W _m	
gF2	W _p	Function (monadic)	Lambert's W function (principal)	Lambert's W function (principal branch) -- see http://mathworld.wolfram.com/LambertW-Function.html	Mathematics		W _p	
gF3	W ⁻¹	Function (monadic)	Inverse of Lambert's W function (principal)	Inverse of Lambert's W function (principal branch, ≥ -1)	Mathematics		W ⁻¹	
gF4	$\sqrt[y]{x}$	Function (dyadic)	xth root	Xth root of Y	Mathematics		$\sqrt[y]{x}$	
gF5	x!	Function (monadic)	Factorial x! or $\Gamma(x+1)$	For Long integers : x! ; for Reals : $\Gamma(x+1)$; Info : Max integer: 450 (up to 1000 digits accurate) ; max real : 2123.549 956 662 463 236 31 ; integers > max are converted to reals	Mathematics		x!	
gF6	$\Gamma(x)$	Function (monadic)	Gamma function	Gamma function	Mathematics		$\Gamma(x)$	