

REAL	Real					
g-shift	floor	ceil	x	⁄	Re	Im
f-shift	SDL	SDR	ROUND	ROUNDI	RDP	RSD
unshifted	IP	FP	MANT	EXPT	sign	DECOMP
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Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p1	REAL	MENU	Real	Functions on Real numbers and Complex numbers	Reals		REAL	
F1	IP	Function (monadic)	Integer Part	Integer Part of number (returns Real number) ; Shortcut : #TAM [R+] (I) for closed number	Fractions		IP	
F2	FP	Function (monadic)	Fractional Part	Fractional Part of real number ; Shortcut : #TAM [LN] (F) for closed number	Fractions		FP	
F3	MANT	Function (monadic)	Mantissa	Mantissa of real number	Reals		MANT	
F4	EXPT	Function (monadic)	Exponent	Exponent of real number	Reals		EXPT	
F5	sign	Function (monadic)	Sign	Sign of number ; Info : Sign is -1 for negative numbers, 0 for zero, +1 for positive numbers ; for nonzero Complex numbers, $\text{sign}(z) = z / z $ (a.k.a. UNITV)	Reals		sign	
F6	DECOMP	Function (monadic)	Decompose	Convert (improper) real number fraction in X to nominator in Y, denominator in X ; Info : Honours settings DENANY, DENFIX and DMX	Reals		DECOMP	
ff1	SDL	Function (monadic)	Shift Digits Left	Shift digits of Integer Part of real number to the left (zeros are added) ; TAM : SDL __ TamNonReg menu	Reals		SDL	
ff2	SDR	Function (monadic)	Shift Digits Right	Shift digits of Integer Part of real number to the right (digits are dropped) ; TAM : SDR __ TamNonReg menu	Reals		SDR	
ff3	ROUND	Function (monadic)	Round	Round number to current display format (returns Real number)	Reals		ROUND	
ff4	ROUNDI	Function (monadic)	Round to integer	Round real number to nearest long integer (max 1000 digits)	Reals		ROUNDI	
ff5	RDP	Function (monadic)	Round to decimal places	Round real number to number of decimal places, subject to rounding mode (RMODE) ; TAM : RDP __ TamNonReg menu ; Range is $[0, 34]$	Reals		RDP	
ff6	RSD	Function (monadic)	Round to significant digits	Round real number to number of significant digits, subject to rounding mode (RMODE) ; TAM : RSD __ TamNonReg menu	Reals		RSD	
gF1	floor	Function (monadic)	Floor	Mathematical floor of number	Reals		floor	
gF2	ceil	Function (monadic)	Ceiling	Mathematical ceiling of number	Reals		ceil	
gF3	x	Function (monadic)	Magnitude	Magnitude (absolute value) of Complex number	Complex numbers		x	
gF4	∠	Function (monadic)	Argument (angle)	Argument (angle) of Complex number	Complex numbers		∠	
gF5	Re	Function (monadic)	Real part	Real part of Complex number	Complex numbers		Re	
gF6	Im	Function (monadic)	Imaginary part	Imaginary part of Complex number	Complex numbers		Im	