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	cos	\cos	sinh	\sinh	hom	\hom
	sin	\sin	tanh	\tanh	ker	\ker
	tan	\tan	det	\det	inf	\inf
	cot	\cot	dim	\dim	sup	\sup
	csc	\csc	exp	\exp	lim	\lim
	sec	\sec	ln	\ln	lim inf	\liminf
	arccos	\arccos	log	\log	lim sup	\limsup
	arcsin	\arcsin	lg	\lg	max	\max
	arctan	\arctan	arg	\arg	min	\min
	cosh	\cosh	deg	\deg	Pr	\Pr
	coth	\coth	gcd	\gcd		

These commands set the names of various mathematical functions in roman type, as is customary. If you apply a superscript or subscript to one of these commands, T_EX will in most cases typeset it in the usual place. In display style, T_EX typesets superscripts and subscripts on \det, \gcd, \inf, \lim, \liminf, \limsup, \max, \min, \Pr, and \sup as though they were limits, i.e., directly above or directly below the function name.

Example:

$\cos^2 x + \sin^2 x = 1 \quad \max_{a \in A} g(a) = 1$

produces:

$\cos^2 x + \sin^2 x = 1 \quad \max_{a \in A} g(a) = 1$