Mathomatic Quick Reference Card		
Command	**Usage**	**Notes**
approximate	approximate [equation-number-ranges]	
calculate	calculate ["factor"] [variable number-of-iterations]	This command may be preceded with "repeat".
clear	clear [equation-number-ranges]	Tip: Use "clear all" to quickly restart Mathomatic.
code	code ["c" or "java" or "python" or "integer"] [equation-number-ranges]	Related commands: simplify, optimize, and variables
compare	compare ["symbolic"] equation-number ["with" equation-number]	
copy	copy [equation-number-range]	
derivative	derivative ["nosimplify"] [variable or "all"] [order]	Alternate name for this command: differentiate
display	display ["factor"] [equation-number-ranges]	
divide	divide [variable]	This command may be preceded with "repeat".
echo	echo [text]	
edit	edit [file-name]	
eliminate	eliminate variables or "all" ["using" equation-number]	This command may be preceded with "repeat".
extrema	extrema [variable] [order]	
factor	factor ["number" [integers]] or ["power"] [equation-number-range] [variables]	Alternate name for this command: collect
fraction	fraction [equation-number-range]	Alternate name for this command: together
help	help [topics or command-names]	
imaginary	imaginary [variable]	Related command: real
integrate	integrate ["constant" or "definite"] variable [order]	Alternate name for this command: integral
laplace	laplace ["inverse"] variable	
limit	limit variable expression	
list	list ["export" or "maxima" or "gnuplot" or "hexadecimal"] [equation-number-ranges]	
nintegrate	nintegrate ["trapezoid"] variable [partitions]	
optimize	optimize [equation-number-range]	Related command: code
pause	pause [text]	
plot	plot [expression]	Plots variable x, and y if 3D surface plot.
product	product variable start end [step-size]	Related command: sum
push	push [equation-number-range]	
quit	quit [exit-value]	Alternate name for this command: exit
read	read file-name	
real	real [variable]	Related command: imaginary
replace	replace [variables ["with" expression]]	
roots	roots root real-part imaginary-part	This command may be preceded with "repeat".
save	save file-name	Related command: read
set	set [["no"] option] ...	"set" by itself will show all current option settings.
simplify	simplify ["sign"] ["symbolic"] ["quick"] ["quickest"] ["fraction"] [equation-number-range]	This command may be preceded with "repeat".
solve	solve ["verify"] ["for"] variable or "0"	
sum	sum variable start end [step-size]	Related command: product
tally	tally ["average"]	
taylor	taylor ["nosimplify"] variable order point	
unfactor	unfactor ["fraction"] ["quick"] ["power"] [equation-number-range]	Alternate name for this command: expand
variables	variables ["c" or "java" or "integer"] [equation-number-range]	Related command: code
version	version	

Any option enclosed by straight brackets **[like this]** means it is optional and may be omitted.

To select an equation space and make it the current equation, type the equation number at the main prompt.
To solve the current equation, type the variable name at the main prompt or use the solve command.