

Operation	Description	Formatting
Spacing	Leave no spaces between operations or values in equations.	
Parentheses	Only use "(" and ")" and use them multiple times in a row if needed.	
Addition	"x plus y"	$x+y$
Subtraction	"x minus y"	$x-y$
Multiplication	"x times y"	$x*y$
Division/Fraction	"x divided by y" or "x over y"	x/y
Exponent	"x to the power of y"	$x**y$
Square Root	"square root of x"	\sqrt{x}
nth Root	"yth root of x"	$\sqrt[y]{x}$
Addition and/or Subtraction	"x plus/minus y"	$x\sim y$
Absolute Value	"absolute value of x"	$\text{abs}(x)$
Infinity	"infinity"	inf
Comparison	"x less than y, x greater than y"	$x<y, x>y$
Pipe	"x given x greater than 1"	$x\text{\\pipe}x>1$
matrix	"Row 1 = 1 2, Row 2 = 3 4"	$\text{/mat}\{(1,2),(3,4)\}$
log	log base 9 of 5	$\text{log}\{9\}\{5\}$
Subscript	x base y	x_y
Summation	first group is lower bound (with = written as $\backslash=$), second group is upper bound, and third group is the expression to be summed	$\text{sum}\{i\backslash=1\}\{100\}\{i**2\}$
Limit	limit of c, as a approaches b	$\text{/lim}\{a,b,c\}$
Definite Integral	the integral of f with respect to x (over the domain of a to b)	$\text{/int}\{f,a,b,x\}$
Indefinite Integral	the integral of f with respect to x	$\text{/int}\{f,x\}$
Please do not leave spaces in equations:		
Wrong:	Correct	
$x + y$	$x+y$	
If you intend for ab^2 , please write $a*b**2$, not $ab**2$. The latter will be interpreted as $(ab)^2$.		
Use an apostrophe to undo automatic google sheets formatting (such as changing boolean TRUE back to regular text)		