

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)
Additon and/or Sub	"x plus/minus y"	x~y
Absolute Value	"absolute value of x"	abs(x)
Infinity	"infinity"	inf
Comparrison	"x less than y, x greater than y"	x<y , x>y
Pipe	"x given x greater than 1"	x\ x>1
matrix	"Row 1 = 1 2, Row 2 = 3 4"	/mat{(1,2),(3,4)}
log	log base 9 of 5	log{9}{5}
Subscript	x base y	x_y
Summation	first group is lower bound (with = written as \=), second group is upper bound, and third group is the expression to be summed	sum{i=1}{100}{i**2}
Limit	limit of c , as a approaches b	/lim{a,b,c}
Definite Integral	the integral of f with respect to x (over the domain of a to b)	/int{f,a,b,x}
Indefinite Integral	the integral of f with respect to x	/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)