Typing answers to quiz questions

Example	Suggested syntax
	Numbers
fractions	
$\frac{3}{7}$	`3/7`
$-\frac{1}{4}$	`-1/4`
$\frac{13}{3}$	`13/3`
powers and surds	
2^4	`2^4` or `16`
2^{-3}	`2^(-3)` or `1/(2^3)` or `1/8`
$\left(\frac{2}{3}\right)^3$	`(2/3)^3` or `8/27` or `(2^3)/(3^3)`
$3^{1/5}$	`3^(1/5)` or `root(3,5)`
$\sqrt{5}$	`sqrt(5)` or `5^(1/2)`
$\sqrt[3]{5}$	`5^(1/3)` or `root(5,3)`

Example	Suggested syntax
logarithms	
$\log_3 5$	`log(5,3)`
$\log_5 3$	`log(3,5)`
$\ln 6$	`ln(6)`
	Algebraic expressions
addition and multiplication	
$5x$	`5*x` or `x*5` (Note: `5x` will also work, but `x5` will not)
$x + y$	`x+y` or `y+x`
$5x + 3$	`5*x+3` or `3+5*x` or `3+x*5`
$x(2x + 3)$	`x*(2*x+3)` (Note: `x*(2x+3)` will also work but `x(2x+3)` will not)
powers	
x^2	`x^2`
x^{-3}	`x^(-3)` or `1/(x^3)` (Note: `x^-3` will not work)
$x^{1/3}$	`x^(1/3)` (Note: `x^1/3` will not work)

Example	Suggested syntax
$3x^2 + 2x^{-5} - \frac{1}{3}x^{1/3}$	`3*x^2+2*x^(-5)-(1/3)*x^(1/3)` (Note: `3x^2+2x^(-5)-(1/3)x^(1/3)` will also work)
$x^2 + 2xy + y^2$	`x^2+2*x*y+y^2` (Note: `x^2+2x*y+y^2` will also work but `x^2+2xy+y^2` will not)
$(x^2 + 3x - 2)^{1/3}$	`(x^2+3*x-2)^(1/3)`
2^{x^2+3}	`2^(x^2+3)`
$(-3)^{x^2+1}$	`(-3)^(x^2+1)` (Note: `-3^(x^2+1)` will not work)
algebraic fractions	
$\frac{y^2+7y-3}{(2y+1)^3}$	`(y^2+7*y-3)/((2*y+1)^3)`
$\frac{x^2+1}{y-1}$	`(x^2+1)/(y-1)`
exponentials and logarithms	
e^x	`e^x` or `exp(x)`
e^{x^2+3x-1}	`e^(x^2+3*x-1)` or `exp(x^2+3*x-1)`
$\ln x$	`ln(x)`
$\ln(3x^2 - 1)$	`ln(3x^2-1)`
$\log_2(x^3 - 3)$	`log(x^3-3,2)` or `ln(x^3-3)/ln(2)`

Example	Suggested syntax
Equations and inequalities	
equations	
$x^2 - 3x + 2 = 0$	`x^2-3*x+2=0`
$e^(x^2 + 3) = 1$	`e^(x^2+3)=1` or `exp(x^2+3)=1`
inequalities	
$x > 5$	`x>5`
$x \leq 13$	`x<=13`
$3x + 5 \geq 0$	`3*x+5>=0`
sets specified with inequalities	
$5 > x > 1$ or $x \in (1, 5)$	`5>x>1` or `1<x<5` or `x<5 and x>1`
$2 \leq x < 7$ or $x \in [2, 7)$	`2<=x<7` or `7>x>=2` or `2<=x and x<7`
$x \in (-\infty, 3] \cup (7, \infty)$	`x<=-3 or x>7`