Möbius and Skills Test Notation Guide

Function/Expression	Möbius Syntax
$\dfrac{a}{b}$	a/b
x	x
x^2	x^2
$\dfrac{x+a}{x+b}$	(x + a)/(x + b)
$ax^2 + bx + c$	a*x^2 +b*x + c
$a(x+b)^2 + c$	a*(x + b)^2+ c
$\sqrt{x}$	sqrt(x)
$\sqrt{x+a}$	sqrt(x+a)
$\sqrt{x} + a$	sqrt(x) + a
$\dfrac{\sqrt{x}}{b}$	sqrt(x)/b
$\lvert x \rvert$	abs(x)
$(-\infty, \infty)$ or $x \in \mathbb{R}$	(-infinity, infinity)
$(-\infty, a) \cup (b, \infty)$ or $x < a \ or \ x > b$	(-infinity, a) U (b, infinity)
[a, b] or $a \le x \le b$	[a, b]
$\log_b a$	log[b] (a)
$\ln a$	ln (a)
$\dfrac{\ln a}{\ln b}$	ln(a)/ln(b)
e^x	exp(x)
π	Pi
$\dfrac{a\pi}{b}$	a*Pi/b
$A sin(Bx + C)$	A*sin(B*x + C)
$\sin^2 x$	(sin(x))^2

Additional Notes on Möbius:

Some equations in Möbius may be displayed with additional brackets. In these cases, note that an expression such as $(2x^2 + 4x) + 5$ is the same as $2x^2 + 4x + 5$. Please note that Möbius is case sensitive. This means that A*x^2 + B is not the same as a*x^2 + b. This also means that you must make sure sin (x) and ln (x) are all lower case and not Sin (x) or LN(X).