

Möbius and Skills Test Notation Guide

Function/Expression	Möbius Syntax
$\frac{a}{b}$	a/b
x	x
x^2	x^2
$\frac{x+a}{x+b}$	(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
$\frac{\sqrt{x}}{b}$	sqrt(x)/b
$ x $	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 $a \leq x \leq b$	[a, b]
$\log_b a$	log[b] (a)
$\ln a$	ln (a)
$\frac{\ln a}{\ln b}$	ln(a)/ln(b)
e^x	exp(x)
π	Pi
$\frac{a\pi}{b}$	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 $\text{Sin}(x)$ or $\text{LN}(x)$.