

## Scheme Math Library Functions

Function	Description	Example
+	Addition of numbers.	(+ 2 3) -> 5
-	Subtraction of numbers.	(- 5 3) -> 2
*	Multiplication of numbers.	(* 2 3) -> 6
/	Division of numbers.	(/ 6 3) -> 2
abs	Absolute value.	(abs -5) -> 5
modulo	Remainder with sign of dividend.	(modulo 10 3) -> 1
remainder	Remainder with sign of divisor.	(remainder 10 -3) -> 1
quotient	Integer division result.	(quotient 10 3) -> 3
expt	Raise to the power.	(expt 2 3) -> 8
sqrt	Square root.	(sqrt 16) -> 4
sin	Sine in radians.	(sin (/ pi 2)) -> 1.0
cos	Cosine in radians.	(cos 0) -> 1.0
tan	Tangent in radians.	(tan (/ pi 4)) -> 1.0
log	Natural logarithm.	(log 2.71828) -> 1.0
exp	Exponential function ( $e^x$ ).	(exp 1) -> 2.71828
gcd	Greatest common divisor.	(gcd 48 18) -> 6
lcm	Least common multiple.	(lcm 4 5) -> 20
round	Round to nearest integer.	(round 2.7) -> 3
floor	Round down.	(floor 2.7) -> 2
ceiling	Round up.	(ceiling 2.3) -> 3
truncate	Drop fractional part.	(truncate 2.9) -> 2