

Python Math Library Cheat Sheet

Math Library Functions

Function	Description
ceil	Returns the smallest integer greater than or equal to x
copysign(x,y)	Returns x with the sign of y
factorial(x)	Returns the factorial of x
floor(x)	Returns the largest integer less than or equal to x
exp(x)	Returns $e^{**} x$
trunc(x)	Returns the truncated integer of x
log(x[,base])	Returns the logarithm of x to the base
log2(x)	Returns the base-2 logarithm of x
pow(x,y)	Returns x raised to the power y
sqrt(x)	Returns the square root of x
acos(x)	Returns the arc cosine of x
asin(x)	Returns the arc sine of x
atan(x)	Returns the arc tangent of x
cos(x)	Returns the cosine of x
sin(x)	Returns the sine of x
tan(x)	Returns the tangent of x
degrees(x)	Converts angle x from radians to degrees
radians(x)	Converts angle x from degrees to radians
gamma(x)	Returns the Gamma function of x
pi	Mathematical constant, the ratio of circumference of a circle to its diameter
e	Mathematical constant e
***h(x) where *** = cos/sin/tan	Returns the hyperbolic cosine/sine/tangent of x
a***h(x) where *** = cos/sin/tan	Returns the inverse hyperbolic cosine/sine/tangent of x