The *math* Module

Functions

Name	Description
math.**acos**(*x*)	Return the arc cosine of *x* in radians.
math.**asin**(*x*)	Return the arc sine of *x* in radians.
math.**atan**(*x*)	Return the arc tangent of *x* in radians.
math.**ceil**(*x*)	Return the ceiling of *x*, i.e., the smallest integer greater than or equal to *x*.
math.**cos**(*x*)	Return the cosine of *x*, given in radians.
math.**exp**(*x*)	Return *e* raised to the power of *x*, where *e* is the Euler's number.
math.**fabs**(*x*)	Return the absolute value of *x*.
math.**factorial**(*x*)	Return the factorial of *x* as an integer.
math.**floor**(*x*)	Return the floor of *x*, i.e., the largest integer less than or equal to *x*.
math.**isqrt**(*x*)	Return the integer square root of non-negative integer *x*.
math.**log**(*x*) or math.**log**(*x, base*)	With one argument, return the natural logarithm of *x* (using base *e*, where *e* is the Euler's number). With two arguments, return the logarithm of *x* with the given base.
math.**sin**(*x*)	Return the sine of *x*, given in radians.
math.**sqrt**(*x*)	Return the square root of *x*.
math.**tan**(*x*)	Return the tangent of *x*, given in radians.

Constants

Name	Description
math.**e**	The Euler's number $e = 2.718281...$
math.**pi**	Constant $\pi = 3.141592...$
math.**tau**	Constant $\tau = 6.283185...$