

Using a Python Module

Expression	Expected Value	Calculated Value	Reason for Calculated Value
<code>math.sqrt(9)</code>	3	3.0	The square root of 9 is 3
<code>math.sqrt(-9)</code>	-3i	Trace back error	There is no square root for negative numbers. In order to execute, it would require to import complex numbers.
<code>math.floor(3.7)</code>	3	3	The function returns the nearest lowest integer to the argument 3.7
<code>math.ceil(3.7)</code>	4	4	The function returns the nearest bigger integer which is 4
<code>math.ceil(-3.7)</code>	-3	-3	The function returns the next biggest integer which is -3
<code>math.copysign(2, -3.7)</code>	2.0	-2.0	The function returns the float value of x affected by the sign of the y value
<code>math.trunc(3.7)</code>	3	3	The function truncates the value of the argument to the lowest integer
<code>math.trunc(-3.7)</code>	-3	-3	The function truncates the value of the argument to the lowest integer
<code>math.pi</code>	3.141592.....	3.141592653589793	The function returns the value of the mathematical pi
<code>math.cos(math.pi)</code>	-1.0	-1.0	The function returns the cosine of the mathematical pi

For `math.pi = 3`

Math.pi returns 3 because the function math.pi has been assigned 3