

Expression	Expected value	Calculated value	Reason for calculated value
<code>math.sqrt(9)</code>	3	3.0	
<code>math.sqrt(-9)</code>	-3	Math domain error	The square root of -9 gives a complex number
<code>math.floor(3.7)</code>	?	3	The function rounds the number down to the nearest integer
<code>math.ceil(3.7)</code>	?	4	The function rounds up a given number
<code>math.ceil(-3.7)</code>	?	-3	The function rounds up the value
<code>math.copysign(2,-3.7)</code>	-2.0	-2.0	
<code>math.trunc(3.7)</code>	?	3	The function rounds up a given value towards 0
<code>math.trunc(-3.7)</code>	?	-3	The function rounds up a given value towards 0
<code>math.pi</code>	3.1459	3.14592653589793	The value of pi is given without being rounded off
<code>math.cos(math.pi)</code>	-1	-1	

Type `math.pi = 3`

`math.pi`

What happens and why?

The pi value still remains 3.14592653589793. this is because we have imported its math value.