|  |  |  |  |
| --- | --- | --- | --- |
| expression | Expected value | Calculated value | Reason for calculated value |
| Math.sqrt(9) | 3 | 3.0 | Gives the square root of the argument |
| Math.sqrt(-9) | error | error | Python doesn’t compute impossible maths |
| Math.floor(3.7) | ? | 3 | Returns the largest integer not greater than that very number |
| Math.ceil(3.7) | ? | 4 | Returns the smallest integral value greater than the number |
| Math.ceil(-3.7) | -3 | -3 | Returns the smallest integral value greater than the number |
| Math.copysign(2,-3.7) | ? | -2.0 | Returns a float of the magnitude of the first parameter and the sign of the second |
| Math.trunc(3.7) | 3 | 3 | Returns the truncated integer part of the argument |
| Math.trunc(-3.7) | -3 | -3 | Returns the truncated integer part of the argument |
| Math.pi | 3.14 | 3.141592653589793 | Returns the value of pi rounded to 15 decimal places |
| Math.cos(math.pi) | -1 | -1.0 | Returns the float for the value of the cosine of the value of pie |