|  |  |  |  |
| --- | --- | --- | --- |
| Expression | Expected value | Calculated value | Reason for calculated value |
| math.sqrt(9) | 3 |  |  |
| math.sqrt(-9) | 3i | Value Error | math domain error |
| math.floor(3.7) | 3 |  |  |
| math.ceil(3.7) | 4 |  |  |
| math.ceil(-3.7) | -3 |  |  |
| math.copysign(2, -3.7) | -2 | -2.0 |  |
| math.trunc(3.7) | 3 |  |  |
| math.pi | 3.142 | 3.141592653589793 | We usually round off expected value |
| math.cos(math.pi) |  | -1.0 | I didn’t know expected value |

In addition

math.pi gives 3 because we have assigned math.pi a value of 3