|  |  |  |  |
| --- | --- | --- | --- |
| Expression | Expected Value | Calculated Value | Reason for Calculated Value |
| math.sqrt(9) | 3 | 3.0 | 3.0 is the square root of 9 |
| math.sqrt(-9) | Error | Error | A negative value can’t be square rooted |
| math.floor(3.7) | 3 | 3 | 3 is at the bottom in the range 3.0 to 4.0 |
| math.ceil(3.7) | 4 | 4 | 4 is at the top in the range 3.0 to 4.0 |
| math.ceil(-3.7) | -3 | -3 | -3 is at the top in the range -4.0 to -3.0 |
| math.copysign(2,-3.7) | -2 | -2.0 | -2.0 is what is gotten when the sign of -3.7 is copied |
| math.trunc(3.7) | 3 | 3 | 3 is what is obtained from truncating 3.7 |
| math.trunc(-3.7) | -3 | -3 | -3 is what is obtained from truncating -3.7 |
| math.pi | 3.141592653589793 | 3.141592653589793 | 3.141592653589793 is the value of pi |
| math.cos(math.pi) | -1.0 | -1.0 | -1.0 is the value of cosine of pi(3.141592653589793) |

math.pi = 3

print(math.pi)

The result of this evaluation is “3’, this is because in this case “math.pi” is made a variable with its value being “3” therefore the system saves that to be used for future evaluations.