Fill out the table below, using the same approach as the previous table in exercise 3.

|  |  |  |  |
| --- | --- | --- | --- |
| Expression | Expected value | Calculated value | Reason for the calculated value |
| math.sqrt(9) | 3 | 3 |  |
| math.sqrt(-9) | Math error | Math error |  |
| math.floor(3.7) | 3 | 3 |  |
| math.ceil(3.7) | 4 | 4 |  |
| math.ceil(-3.7) | -3 | -3 |  |
| math.copysign(2,-3.7) | -2.0 | -2.0 |  |
| math.trunc(3.7) | 3 | 3 |  |
| math.trunc(-3.7) | -3 | -3 |  |
| math.pi | 3.1416 | 3.141592653589793 | Value was not rounded off |
| math.cos(math.pi) | -1 | -1.0 | Value was not truncated |

In addition to the above expressions, type the following code into the python interactive mode: math.pi=3, math.pi

**ANS:**

It outputs 3