|  |  |  |  |
| --- | --- | --- | --- |
| **Expression** | **Expected** **value** | **Calculated** **value** | **Reason** **for** **calculated** **value** |
| Math.sqrt(9) | 3 | 3.0 | Python includes the float |
| Math.sqrt(-9) | Math error | Value Error |  |
| Math.floor(3.7) | 3 | 3 |  |
| Math. Ceil(3.7) | 4 | 4 |  |
| Math. Cell(-3.7) | -3 | -3 |  |
| Math.copysign(2,-3) | -2 | -2.0 | The value is a float |
| Math.trunc(3.7) | 3 | 3 |  |
| Math.trunc(-3.7) | -3 | -3 |  |
| Math.pi | 3.14 | 3.141592653589793 | Python is accurate to many values of π |
| Math.cos(math.pi)` | -1.0 | -1.0 |  |

Answer:

Pycharm prints 3

Python assigns 3 to the math function. When it’s called, it prints out the assigned value which is 3.