|  |  |  |  |
| --- | --- | --- | --- |
| **Expression** | **Expected Value** | **Calculated Value** | **Reason for Calculated Value** |
| math.sqrt(9) | 3 | 3.0 |  |
| math.sqrt(-9) | 3i | error | Python don’t recognize the square root of a negative number as 3i |
| math.floor(3.7) | 3 | 3 |  |
| math.ceil(3.7) | 4 | 4 |  |
| math.ceil(-3.7) | -4 | -4 |  |
| math.copysign(2, -3.7) | -2 | -2 |  |
| math.trunc(3.7) | 3 | 3 |  |
| math.trunc(-3.7) | -3 | -3 |  |
| math.pi | π | 3.141592 | Python considers the real value of π |
| math.cos(math.pi) | -1 | -1.0 |  |