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| **Course** | **ENGR 13300** | **Semester** | *Fall 2025* |
| **Assignment Name** | *HW1 PY1 Individual* | **Section** | *LC5* |
| **Student 1 Name** | Milan Shah | **List collaborators if any (Name, Purdue login)** |  |
| **Student 1 Purdue login** | shah1237 |

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| --- | --- | --- | --- | --- |
| Problem Number | Equation | MS Excel Calculations | Python Calculations | Differences |
| 1 | a = 4 | 4 | 4 | none |
| 2 |  | 1.3161 | 1.3161 | none |
| 3 | 2*(b)* | 0.3962 | 0.3962 | none |
| 4 |  | -3 | -3 | none |
| 5 | e = 315 mod 27 | 18 | 18 | none |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Problem Number | Equation | MS Excel Calculations | Python Calculations | Differences |
| 6 | Find the mean | 4.1425 | 4.1425 | None |
| 7 | Find the median | 1.3161 | 1.3161 | None |
| 8 | Find the maximum | 18 | 18 | None |
| 9 | Find the range | 21 | 21 | None |
| 10 | Find the standard deviation | 8.1408 | 8.1408 | None |

2. imported math and statistics

3. in python, when using more complicated math or statistics functions, you must import the math library and use “math.” before using the function (for most cases). Also, in excel you must use the “pow()” function for exponents but in python you can use “\*\*”