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| Input | Output | Conditions Being Tested |
| 1+1= | 2 | Addition, 2 positive numbers, no errors |
| 1-1= | 0 | Subtraction, 2 positive numbers, no errors |
| 1—1= | 2 | Subtraction, 1 positive, 1 negative, concurrent ‘-‘ symbols, no errors |
| -1—1= | 0 | Subtraction, 2 negative numbers, concurrent ‘-‘ symbols, no errors |
| -1-1= | -2 | Subtraction, 1 positive, 1 negative, no errors |
| 1+-1= | 0 | Addition, 1 positive, 1 negative, concurrent operator symbols, no errors |
| -1+1= | 0 | Addition, 1 positive, 1 negative, no errors |
| -1+-1= | -2 | Addition, 2 negative, concurrent operator symbols, no errors |
| 1\*1= | 1 | Multiplication, 2 positive numbers, no errors |
| -1\*1= | -1 | Multiplication, 1 positive, 1 negative, no errors |
| 1\*-1= | -1 | Multiplication, 1 positive, 1 negative, concurrent operator symbols, no errors |
| -1\*-1= | 1 | Multiplication, 2 negative, concurrent operator symbols, no errors |
| 1\*1\*1= | 1 | Multiple operations, no errors |
| -1+1=1\*1=1+1= | 0  1  2 | Multiple calculations, no errors |
| A\*1= | Error | Invalid entry |
| 1\*\*1= | Error | Invalid concurrence of operators |
| 123456789123\*123456789423= | Error | Overflow condition |
| \*1-1= | Error | Syntax error |