

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