**Powers and Exponents**

|  |  |  |  |
| --- | --- | --- | --- |
| **Power** | **Base** | **Repeated Multiplication** | **Standard Form (Answer)** |
| 23 | 2 | (2)(2)(2) | 8 |
| (-2)3 | -2 | (-2)(-2)(-2) | -8 |
| -23 | 2 | -(2 x 2 x 2) | -8 |
| -(-23) | 2 | -(-(2 x 2 x 2)) | 8 |
| -(-2)3 | -2 | -(-2 X-2 X-2) | 8 |
| 32 |  |  |  |
| -(-3)2 |  |  |  |
| -32 |  |  |  |
| -(-32) |  |  |  |
| (-3)2 |  |  |  |
| -(10)3 |  |  |  |
| -(92) |  |  |  |
| -(-72) |  |  |  |
| (-11)5 |  |  |  |
| -63 |  |  |  |
| -(-5)4 |  |  |  |

**ZERO EXPONENT LAW**

A power with an integer base, other than 0, and an exponent 0 is equal to 1

n0 = 1, n = 0

|  |  |
| --- | --- |
| **POWER** | **STANDARD FORM or ANSWER** |
| **14250** |  |
| **(-2869)0** |  |
| **-450** |  |
| **-(-20)** |  |
| **-(-3)0** |  |
| **(65)0** |  |
| **(-61)0** |  |
| **-(-120000)** |  |
| **-(-12000)0** |  |
| **-780** |  |
| **(-56)0** |  |