|  |  |  |
| --- | --- | --- |
| Multiplication Rule | Multiply the coefficient. Add the Exponent |  |
| Division Rule | Simplify the coefficient. Subtract the Exponents |  |
| Power Rule | Raise the coefficient to the outside power. Multiply the Exponents |  |
| Zero Rule | Anything to the zero power equals 1 |  |
| Negative Exponent Rule | Take the reciprocal and make the exponent positive. |  |

Rules of Exponents

abx  a is the coefficient, b is the base and x is the exponent