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|  | Product of Powers |
|  | Power of a Power |
|  | Power of a Product |
|  | Quotient of Powers |
|  | Power of a Quotient |
|  | Zero Exponent |
|  | Negative Exponent |
| Multiply coefficients, add exponents with the same base |  |
| When an exponent is raised to a power, multiply exponents. \*Raise coefficients to the specific power as well. |  |
| When an exponent is outside the parentheses, everything inside is raised to the specific power. |  |
| Divide coefficients, subtract exponents |  |
| =  When an exponent is outside parentheses of a fraction, raise both the numerator and denominator to the power. | *\*Once the top and bottom are raised, then follow quotient of powers rules!* |
| Any number raised to the zero power ALWAYS = 1 |  |
| or  **Only positive exponents may be used!**  Negative numerator moves to denominator,  Negative denominator moves to numerator. |  |