Power Rules

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| **Zero-Exponent Rule:** a0 = 1, this says that anything raised to the zero power is 1. | Zero-Exponent Rule Examples |
| **Power Rule** (Powers to Powers): (am)n = amn, this says that to raise a power to a power you need to multiply the exponents.  | Power Rule Examples |
| **Negative Exponent Rule**: Negative Exponent Rule, this says that negative exponents in the numerator get moved to the denominator and become positive exponents. Negative exponents in the denominator get moved to the numerator and become positive exponents. Only move the negative exponents. | Negative Exponents Rule Examples |
| **Product Rule**: am ∙ an = am + n, this says that to multiply two exponents with the same base, you keep the base and add the powers. | Product Rule Examples |
| **Quotient Rule**: Quotient Rule, this says that to divide two exponents with the same base, you keep the base and subtract the powers | Quotient Rule Examples |