

Name _____

The Power of Exponents: Unlocking Algebraic Mysteries

Short Answer Key

1. The product rule of exponents states that when multiplying two powers with the same base, we add their exponents.
2. The power rule of exponents states that when raising a power to another power, we multiply their exponents.
3. Example: $5^0 = 1$.
4. Negative exponents indicate the reciprocal of the base raised to the positive exponent.
5. Exponents are used in pre-algebra to simplify expressions, solve equations, and model exponential growth and decay.

