

# Exponent Rules

The Rule of One says any nonzero number raised to the power of \_\_\_\_\_ is equal to that same \_\_\_\_\_.

For Example: \_\_\_\_\_ = \_\_\_\_\_

# Exponent Rules

The Zero Rule says any nonzero number raised to the power of \_\_\_\_\_ is equal to \_\_\_\_\_.

For Example: \_\_\_\_\_ = \_\_\_\_\_

# Exponent Rules

The Product Rule says when multiplying two powers with the same \_\_\_\_\_, you simplify by keeping the same \_\_\_\_\_ and \_\_\_\_\_ the exponents.

For Example: \_\_\_\_\_ = \_\_\_\_\_ = \_\_\_\_\_

# Exponent Rules

The Quotient Rule says when dividing two powers with the same \_\_\_\_\_, you simplify by keeping the same \_\_\_\_\_ and \_\_\_\_\_ the exponents.

For Example: \_\_\_\_\_ = \_\_\_\_\_ = \_\_\_\_\_

# Exponent Rules

The Power Rules says when you raise a power to a power you keep the same

\_\_\_\_\_ and \_\_\_\_\_ the exponents.

For Example: \_\_\_\_\_ = \_\_\_\_\_ = \_\_\_\_\_

# Exponent Rules

A Negative Exponent says any nonzero number raised to a negative power equals its \_\_\_\_\_ raised to the \_\_\_\_\_ positive power.

For Example: \_\_\_\_\_ = \_\_\_\_\_ = \_\_\_\_\_