

Laws of Exponents Worksheets

Product Rule

Simplify.

$$3^2 \times 3^6 =$$

$$x^9 \times x^4 =$$

$$4^2 \times 4^9 =$$

$$y^2 \times y^7 =$$

$$8^2 \times 8^0 =$$

$$b \times b^5 =$$

$$7^3 \times 7^{11} =$$

$$x^3 \times x^4 =$$

$$6^5 \times 6 =$$

$$w^4 \times w =$$

$$2 \times 2^3 \times 2^6 =$$

$$x^2 \times y^3 \times x^4 =$$

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Quotient Rule

Simplify.

$$x^6 \div x^4 =$$

$$x^9 \div x^4 =$$

$$y^{12} \div y^3 =$$

$$y^3 \div y =$$

$$\frac{x^6}{x^4} =$$

$$\frac{m^9}{m^2} =$$

$$\frac{y^5}{y} =$$

$$\frac{x^6}{x} =$$

$$\frac{w^2}{w^5} =$$

$$\frac{y}{y^7} =$$

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