

Laws of Exponents Worksheets

Simplify. Write your answer using only positive exponents.

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

$$7x^8y^2 \div (x^3y)^2 =$$

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

$$\frac{(4x^2 \times 3x^4)}{6x^4} =$$

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

$$\left(\frac{x^4}{y^2}\right)^3 =$$

$$(2x^2)^3 \div 4x^2 =$$

$$x^8 \div (x^3)^2 =$$

$$\frac{x^8 \times (xy^2)^4}{(2x^2)^4} =$$

Laws of Exponents Worksheets

Simplify. Write your answer using only positive exponents.

$$2x^2 \times 3x^3 \times 2x = 12x^6$$

$$7x^8y^2 \div (x^3y)^2 = 7x^2$$

$$4 \times 2x \times 3x^2y = 24x^3y$$

$$\frac{(4x^2 \times 3x^4)}{6x^4} = 2x^2$$

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

$$\left(\frac{x^4}{y^2}\right)^3 = \frac{x^{12}}{y^6}$$

$$(2x^2)^3 \div 4x^2 = 2x^4$$

$$x^8 \div (x^3)^2 = x^2$$

$$\frac{x^8 \times (xy^2)^4}{(2x^2)^4} = \frac{x^4y^8}{16}$$