

## Laws of Exponents Worksheets

Simplify. Write your answer using only positive exponents.

$$x^{-3} \times x^4 =$$

$$(x^{-2})^3 =$$

$$2x^{-3} \times 3x^{-3} =$$

$$\frac{x^{-3}}{x^{-4}} =$$

$$4x^3 \div 12x^7 =$$

$$\frac{x^{-2}}{x^3} =$$

$$\frac{x^{-7}}{x^4} =$$

$$(2x^2)^{-3} =$$

$$\frac{12x^{-3}}{x^2y^{-1}} =$$

## Laws of Exponents Worksheets

Simplify. Write your answer using only positive exponents.

$$x^{-3} \times x^4 = x$$

$$(x^{-2})^3 = \frac{1}{x^6}$$

$$2x^{-3} \times 3x^{-3} = \frac{6}{x^6}$$

$$\frac{x^{-3}}{x^{-4}} = x$$

$$4x^3 \div 12x^7 = \frac{1}{3x^4}$$

$$\frac{x^{-2}}{x^3} = \frac{1}{x^5}$$

$$\frac{x^{-7}}{x^4} = \frac{1}{x^{11}}$$

$$(2x^2)^{-3} = \frac{1}{8x^6}$$

$$\frac{12x^{-3}}{x^2y^{-1}} = \frac{12y}{x^5}$$