

## Laws of Exponents Worksheet

- 1) Simplify by applying the Laws of Exponents. Write the results with positive exponents.  
No Decimal Answers.

$$(3x^4y^{-2})(-2x^5y^{-3})$$

- 2) Simplify by applying the Laws of Exponents. Write the results with positive exponents.  
No Decimal Answers.

$$\frac{-12x^3y^{-4}}{8x^7y^{-6}}$$

- 3) Simplify by applying the Laws of Exponents. Write the results with positive exponents.  
No Decimal Answers.

$$\frac{a^4}{b} \left( \frac{b^2}{a^3} \right)^{-2}$$