

9-5 Exponent Rules

Name _____ Per. ____

Simplify each expression. Use only positive exponents in your final answer.

1. $13x^5(-2x^4)$

2. $(6x^2y^{-4})^{-3}$

3. $(12x^3y^5)(-4x^{-4}y^{-8})$

4. $\frac{1}{(5x)^{-2}}$

5. $\frac{42a^9b^7}{3a^3b}$

6. $\frac{30x^2y^{-7}}{6x^{-4}y^3}$

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