

Algebra 1
Homework – Review Exponents

Name: _____

Simplify each expression. Write your answer using only positive exponents.

1. $(-3x^8y^{-9})(8x^{-3}y^{-6})$

1. _____

2. $(5a^{-6}b^{-7})^2(-2ab^4)^3$

2. _____

3. $\left(-2cd^{\frac{7}{2}}\right)\left(-5cd^{\frac{11}{2}}\right)$

3. _____

4. $\left(\frac{-16m^5n^7}{-4m^{11}n^{12}}\right)^3$

4. _____

5. $\frac{8d^{-2}e^5}{56d^{-10}e^{14}}$

5. _____

6. $\frac{x^{-17}y^{12}z}{x^{-6}y^3z^{-7}}$

6. _____