

Name : \_\_\_\_\_

## Simplifying Expressions: Exponents

MS5

Simplify each expression.

1)  $\frac{7v^{-10}w^{-3}x^{14}}{14v^4w^{-12}x}$

2)  $(-p^{-5}r^3)(4p^8q^6)$

3)  $\frac{64g^{-4}h^{-6}}{32g^{-6}h^{-6}}$

4)  $8s^{-6}t^{-7}u^8$

5)  $(2x^5y^{-6})(-3)$

**PREVIEW**  
Gain complete access to the largest  
collection of worksheets in all subjects!

$a^9b^{-2}c^{-7})(-3a^{-6}b^3c^4)$

7)  $\left(\frac{9c^{-3}d^3}{c^{-6}d^{-4}}\right)^2$

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

$8u^{-7}v^4w^9)$

9)  $(6r^{-11}s^7)(9r^7s^2)$

10)  $\frac{6m^3n^8}{3m^{-6}n^5}$