

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

## Simplifying Expressions: Exponents

MS5

Simplify each expression.

1)  $(3p^2q^3)(4p^6q^5r)(3pq^3r^7)$

2)  $\frac{7x^7y^4z^{11}}{63x^6y^2z^5}$

3)  $\frac{28n^7m^9}{14n^7m}$

4)  $(5u^3v^2w^8)(-3u^6v^5)(3vw)$

5)  $(s^5t^6u)^2(3st^7)$

7)  $\frac{(8a^8b^6)^2}{16a^6b^7}$

8)  $(3m^4n)$

9)  $\frac{9s^6t^5u^2}{(3s^4tu)^3}$

10)  $\frac{28b^{20}c^3}{7b^{13}c}$

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