

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

## Simplifying Expressions: Exponents

MS3

Simplify each expression.

1)  $(-5x^2y^4)(2x^3y^2)^2$

2)  $\frac{5a^8b^2c^9}{25a^3bc^3}$

3)  $\frac{72p^7qr^5}{6pq^2r}$

4)  $25m^7n^8$

5)  $\frac{26b^7c^9d^3}{2b^3c^2d}$

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$5u^3v^2w^2$

7)  $\frac{3x^{20}y^{12}z^{20}}{18x^4y^9z^{15}}$

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9)  $(11s^6t^2)(4s^3t^2)$

10)  $(-2a^3b^6c^2)(3a^2b^5c^4)(4a^3b^8c^5)$