

Name : _____

Simplifying Expressions: Exponents

MS2

Simplify each expression.

1) $(7u^9v^6w^8)(9u^3vw^7)$

2) $\frac{100m^{17}n^{19}}{5m^{12}n^{13}}$

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

4) $12a^7b^2c$

5) $\frac{25u^6v^7}{20u^2v^{15}}$

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$x^6y^7z^4)(3x^4y^2z^7)$

7) $(-15b^2c^4d^5)$

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9) $\frac{9q^2r^4}{45qr}$

10) $\frac{36x^7y^3z^{12}}{2x^2yz^4}$