

Name : _____

Simplifying Expressions: Exponents

MS2

Simplify each expression.

1) $\frac{16r^{-5}s^{-2}}{12r^{-2}s^{-4}}$

2) $(15a^6b^{-4}c^{-5})(-4a^{-2}b^6c^9)$

3) $(-8c^{10}d^4)(-5c^{-3}d^3)$

4) $11p^{-3}q^{-2}r^{-5}$

5) $(3t^4uv^{-2})^4$

$t^5)(7s^{-3}t^2)$

7) $\frac{14w^{-2}x^{10}y^{-1}}{2w^{-12}x^{-3}y^{-2}}$

9) $\left(\frac{4u^{-10}v^3}{3u^{-5}v^2}\right)^2$

10) $\frac{90x^6yz^4}{10x^2y^{-8}z^{-3}}$

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