

Name:

Unit 6 Post-Assessment

Simplify the Expressions.

$x^2 \cdot x \cdot x^3 \quad x^6$

$(3x)^3 \quad 3^3 x^3 \quad 27x^3$

$(2x^2y)^3 \quad 2^3 x^6 y^3 \quad 8x^6 y^3$

$4^3 \quad 64$

$2^{-3} \quad \frac{1}{8}$

$\frac{y^{12}}{y^4} \quad y^8$

$\frac{a^{-2}}{a^{-4}} \quad \frac{a^4}{a^2} \quad a^2$

$\frac{x^{10}}{y^4} \cdot \frac{y}{x^6} \quad \frac{x^4}{y^3}$

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