

Name

Key

Hour

Exponent Properties Study Guide

Level 1- Beginning

3^3 27	a^0 1	$2x^4 - 5x^4$ $-3x^4$	$3d^3e^2 + 6d^3e^2$ $9d^3e^2$
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Level 2- Developing

$3x^2 \cdot 4x^5$ $12x^7$	$2m^3n^5 \cdot 7m^6n^8$ $14m^9n^{13}$	$\frac{6j^8}{2j^3}$ $3j^5$	$\frac{4f^{10}d^4}{8f^{12}d^4}$ $\frac{1}{2f^2}$
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Level 3- Proficient

$(-4b^6c^{-2})^4$ $\frac{256b^{24}}{c^8}$	$(e^4f^{-1} \cdot -2ef^{-3})^4$ $\frac{16e^{20}}{f^{16}}$	$\frac{3j^8}{2j^3 \cdot 6j^5}$ $\frac{1}{4}$	$\frac{a^{-5}b^{-3}}{5a^{-8}b^4}$ $\frac{a^3}{5b^7}$
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Level 4- Mastery

$\frac{4x^3}{2x} \cdot (3x^{-5}y^0)$ $\frac{6}{x^3}$	$(3x^{-2}y^4)^{-3} \cdot 4xy^8$ $\frac{4x^7}{27y^4}$	$\left(\frac{x^7y^3}{(5x^2y^{-3})^2}\right)^3$ $\frac{x^9y^{27}}{15625}$	$\left(\frac{2x^{-3}y^4}{(-4x^3y^2)^{-2}}\right)^{-2}$ $\frac{1}{256x^6y^{16}}$
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