



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

$$4x^6(x^4)^{-2}x^3$$

$$4x^{(-7)}(x^{(-2)})^4x^{(-2)}$$

$$5x^2(x^6)^5x^3$$

$$4x^2(x^4)^6$$

$$\frac{4x^{(-2)}(x^5)^5}{4x^3(x^4)^3}$$

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

$$3x^3(x^6)^6$$

$$3x^{(-9)}(x^{(-2)})^{(-2)}x^{(-3)}$$

$$\frac{8x^{(-6)}(x^3)^{(-3)}}{6x^{(-2)}(x^4)^4}$$

$$\frac{8x^{(-9)}(x^{(-3)})^6}{x^3(x^{(-3)})^4}$$



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$$4x^6(x^4)^{-2}x^3$$

$4x$

$$4x^{(-7)}(x^{(-2)})^4x^{(-2)}$$

$\frac{4}{x^{17}}$

$$5x^2(x^6)^5x^3$$

$5x^{35}$

$$4x^2(x^4)^6$$

$4x^{26}$

$$\frac{4x^{(-2)}(x^5)^5}{4x^3(x^4)^3}$$

x^8

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

$2x^{34}$

$$3x^3(x^6)^6$$

$3x^{39}$

$$3x^{(-9)}(x^{(-2)})^{(-2)}x^{(-3)}$$

$\frac{3}{x^8}$

$$\frac{8x^{(-6)}(x^3)^{(-3)}}{6x^{(-2)}(x^4)^4}$$

$\frac{4}{3x^{29}}$

$$\frac{8x^{(-9)}(x^{(-3)})^6}{x^3(x^{(-3)})^4}$$

$\frac{8}{x^{18}}$