



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

$$4x^{(-8)}(x^4)^4x^{(-2)}$$

$$x^7(x^5)^2x^2$$

$$\frac{8x^9(x^{-3})^{(-2)}}{4x^2(x^{-3})^3}$$

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

$$6x^{(-5)}(x^5)^4x^{(-3)}$$

$$\frac{9x^{(-5)}(x^{(-3)})^6}{6x^{(-2)}(x^3)^{(-3)}}$$

$$\frac{4x^{(-5)}(x^6)^{(-3)}}{5x^2(x^2)^3}$$

$$7x^{(-9)}(x^3)^2$$

$$\frac{7x^7(x^6)^{(-2)}}{x^{(-1)}(x^3)^3}$$

$$9x^8(x^3)^4$$



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

$$\frac{x^7(x^5)^2x^2}{x^{19}}$$

$$\frac{8x^9(x^{(-3)})^{(-2)}}{4x^2(x^{(-3)})^3}$$
$$2x^{22}$$

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

$$\frac{6x^{(-5)}(x^5)^4x^{(-3)}}{6x^{12}}$$

$$\frac{9x^{(-5)}(x^{(-3)})^6}{6x^{(-2)}(x^3)^{(-3)}}$$
$$\frac{3}{2x^{12}}$$

$$\frac{4x^{(-5)}(x^6)^{(-3)}}{5x^2(x^2)^3}$$
$$\frac{4}{5x^{31}}$$

$$\frac{7x^{(-9)}(x^3)^2}{x^3}$$

$$\frac{7x^7(x^6)^{(-2)}}{x^{(-1)}(x^3)^3}$$
$$\frac{7}{x^{13}}$$

$$\frac{9x^8(x^3)^4}{9x^{20}}$$