



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

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

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

$$8x^{(-8)}(x^2)^{(-3)}x^{(-2)}$$

$$2x^3(x^2)^5x^{(-1)}$$

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

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

$$x^9(x^4)^{(-3)}$$

$$\frac{6x^{(-7)}(x^4)^5}{7x^3(x^{(-2)})^{(-3)}}$$

$$\frac{3x^5(x^5)^3}{3x^{(-1)}(x^{(-3)})^{(-2)}}$$

$$7x^{(-4)}(x^6)^2$$



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

$$\frac{x^2(x^5)^6}{x^{32}}$$

$$8x^{(-8)}(x^2)^{(-3)}x^{(-2)}$$
$$\frac{8}{x^{16}}$$

$$2x^3(x^2)^5x^{(-1)}$$
$$2x^{12}$$

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

$$\frac{5x^5(x^2)^3x^2}{5x^{13}}$$

$$x^9(x^4)^{(-3)}$$
$$\frac{1}{x^3}$$

$$\frac{6x^{(-7)}(x^4)^5}{7x^3(x^{(-2)})^{(-3)}}$$
$$\frac{6}{7}x^4$$

$$\frac{3x^5(x^5)^3}{3x^{(-1)}(x^{(-3)})^{(-2)}}$$
$$x^{15}$$

$$7x^{(-4)}(x^6)^2$$
$$7x^8$$