



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

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

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

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

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

$$\frac{8x^5(x^4)^3}{7x^3(x^3)^{(-2)}}$$

$$\frac{3x^{(-8)}(x^{(-2)})^4}{5x^3(x^2)^2}$$

$$\frac{3x^5(x^2)^5}{4x^{(-1)}(x^2)^2}$$

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

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

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



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$$2x^{(-3)}(x^3)^{(-3)}x^2$$
$$\frac{2}{x^{10}}$$

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

$$4x^{(-8)}(x^4)^{(-2)}$$
$$\frac{4}{x^{16}}$$

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

$$\frac{8x^5(x^4)^3}{7x^3(x^3)^{(-2)}}$$
$$\frac{8}{7}x^{20}$$

$$\frac{3x^{(-8)}(x^{(-2)})^4}{5x^3(x^2)^2}$$
$$\frac{3}{5x^{23}}$$

$$\frac{3x^5(x^2)^5}{4x^{(-1)}(x^2)^2}$$
$$\frac{3}{4}x^{12}$$

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

$$x^4(x^5)^{(-3)}x^2$$
$$\frac{1}{x^9}$$

$$8x^{(-6)}(x^4)^2x^3$$
$$8x^5$$