



## Simplifying Exponent Expressions

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

$$4x^{(-1)}(x^4)^4x^{(-3)}$$

$$9x^{(-6)}(x^4)^{(-1)}$$

$$5x^{(-6)}(x^{(-2)})^{(-1)}x^{(-1)}$$

$$8x^8(x^6)^4x^2$$

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

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

$$9x^{(-3)}(x^6)^2x^{(-1)}$$

$$9x^{(-2)}(x^2)^{(-1)}x^2$$

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

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



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$$4x^{(-1)}(x^4)^4x^{(-3)}$$
$$4x^{12}$$

$$9x^{(-6)}(x^4)^{(-1)}$$
$$\frac{9}{x^{10}}$$

$$5x^{(-6)}(x^{(-2)})^{(-1)}x^{(-1)}$$
$$\frac{5}{x^5}$$

$$8x^8(x^6)^4x^2$$
$$8x^{34}$$

$$\frac{x^{(-7)}(x^{(-3)})^{(-3)}}{5x^3(x^3)^4}$$
$$\frac{1}{5x^{13}}$$

$$\frac{8x^5(x^2)^5}{2x^{(-3)}(x^{(-2)})^{(-3)}}$$
$$4x^{12}$$

$$9x^{(-3)}(x^6)^2x^{(-1)}$$
$$9x^8$$

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

$$4x^{(-5)}(x^4)^{(-2)}x^{(-2)}$$
$$\frac{4}{x^{15}}$$

$$\frac{6x^7(x^{(-2)})^6}{3x^{(-2)}(x^{(-3)})^4}$$
$$2x^9$$