



## Simplifying Exponent Expressions

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

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

$$\frac{6x^{(-6)}(x^6)^3}{4x^{(-1)}(x^4)^4}$$

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

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

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

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

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

$$9x^4(x^5)^{(-2)}$$

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

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

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



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

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

$$\frac{6x^{(-6)}(x^6)^3}{4x^{(-1)}(x^4)^4}$$

$$\frac{3}{2x^3}$$

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

$$\frac{2}{x^3}$$

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

$$x^3$$

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

$$6x^{11}$$

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

$$9x^5$$

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

$$\frac{3}{4}x^{48}$$

$$9x^4(x^5)^{(-2)}$$

$$\frac{9}{x^6}$$

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

$$\frac{x^9}{8}$$

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

$$3x^8$$

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

$$2x^5$$