



## Simplifying Exponent Expressions

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

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

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

$$5x^8(x^3)^{(-3)}x^{(-1)}$$

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

$$7x^9(x^4)^{(-2)}$$

$$7x^2(x^4)^3$$

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

$$9x^{(-7)}(x^5)^4x^{(-3)}$$

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

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

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



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

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

$$5x^8(x^3)^{(-3)}x^{(-1)}$$
$$\frac{5}{x^2}$$

$$9x^{(-9)}(x^{(-2)})^5$$
$$\frac{9}{x^{19}}$$

$$7x^9(x^4)^{(-2)}$$
$$7x$$

$$7x^2(x^4)^3$$
$$7x^{14}$$

$$\frac{5x^2(x^2)^{(-3)}}{6x^2(x^4)^2}$$
$$\frac{5}{6x^{14}}$$

$$9x^{(-7)}(x^5)^4x^{(-3)}$$
$$9x^{10}$$

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

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

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