



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

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

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

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

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

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

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

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

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

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

$$\frac{4x^8(x^3)^2}{x^{(-1)}(x^4)^2}$$



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$$3x^{(-1)}(x^3)^{(-2)}$$
$$\frac{3}{x^7}$$

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

$$\frac{5x^{(-2)}(x^3)^{(-3)}}{9x^{(-2)}(x^{(-2)})^{(-3)}}$$
$$\frac{5}{9x^{15}}$$

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

$$7x^{(-7)}(x^{(-2)})^6x^{(-3)}$$
$$\frac{7}{x^{22}}$$

$$3x^{(-1)}(x^5)^4x^2$$
$$3x^{21}$$

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

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

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

$$\frac{4x^8(x^3)^2}{x^{(-1)}(x^4)^2}$$
$$4x^7$$