



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

$$\frac{9x^5(x^4)^3}{6x^{(-1)}(x^{(-2)})^2}$$

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

$$x^9(x^4)^2$$

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

$$9x^3(x^4)^5$$

$$9x^8(x^3)^4$$

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

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

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

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



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$$\frac{9x^5(x^4)^3}{6x^{(-1)}(x^{(-2)})^2}$$
$$\frac{3}{2}x^{22}$$

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

$$x^9(x^4)^2$$
$$x^{17}$$

$$4x^5(x^{(-2)})^{(-2)}x^{(-1)}$$
$$4x^8$$

$$9x^3(x^4)^5$$
$$9x^{23}$$

$$9x^8(x^3)^4$$
$$9x^{20}$$

$$6x^{(-1)}(x^{(-3)})^3$$
$$\frac{6}{x^{10}}$$

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

$$\frac{4x^3(x^6)^2}{6x^2(x^2)^{(-3)}}$$
$$\frac{2}{3}x^{19}$$

$$x^{(-1)}(x^{(-3)})^3$$
$$\frac{1}{x^{10}}$$