



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

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

$$9x^{(-5)}(x^6)^{(-3)}$$

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

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

$$4x^{(-8)}(x^4)^3x^3$$

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

$$3x^3(x^2)^5$$

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

$$\frac{8x^{(-1)}(x^{(-3)})^6}{7x^{(-3)}(x^2)^{(-3)}}$$

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



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$$\frac{9x^{(-7)}(x^{(-3)})^{(-3)}}{4x^{(-2)}(x^4)^4}$$
$$\frac{9}{4x^{12}}$$

$$9x^{(-5)}(x^6)^{(-3)}$$
$$\frac{9}{x^{23}}$$

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

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

$$4x^{(-8)}(x^4)^3x^3$$
$$4x^7$$

$$\frac{8x^8(x^{(-2)})^4}{2x^3(x^{(-3)})^3}$$
$$4x^6$$

$$3x^3(x^2)^5$$
$$3x^{13}$$

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

$$\frac{8x^{(-1)}(x^{(-3)})^6}{7x^{(-3)}(x^2)^{(-3)}}$$
$$\frac{8}{7x^{10}}$$

$$7x^{(-3)}(x^{(-2)})^5x^3$$
$$\frac{7}{x^{10}}$$