



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

$$\frac{8x^7(x^4)^{-3}}{6x^{-3}(x^{-2})^4}$$

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

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

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

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

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

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

$$7x^5(x^3)^5x^2$$

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

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



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$$\frac{8x^7(x^4)^{-3}}{6x^{-3}(x^{-2})^4}$$
$$\frac{4}{3}x^6$$

$$7x^{-7}(x^{-2})^6x^3$$
$$\frac{7}{x^{16}}$$

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

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

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

$$x^3(x^2)^4$$
$$x^{11}$$

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

$$7x^5(x^3)^5x^2$$
$$7x^{22}$$

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

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