



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

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

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

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

$$3x^9(x^5)^{-1}$$

$$8x^{-3}(x^6)^{-3}x^{-1}$$

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

$$x^9(x^6)^4$$

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

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

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



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$$\frac{2x^2(x^5)^{-2}}{5x^{-2}(x^2)^3}$$
$$\frac{2}{5x^{12}}$$

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

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

$$3x^9(x^5)^{-1}$$
$$3x^4$$

$$8x^{-3}(x^6)^{-3}x^{-1}$$
$$\frac{8}{x^{22}}$$

$$5x^{-1}(x^{-3})^5$$
$$\frac{5}{x^{16}}$$

$$x^9(x^6)^4$$
$$x^{33}$$

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

$$\frac{8x^4(x^5)^3}{5x^{-2}(x^2)^{-3}}$$
$$\frac{8}{5}x^{27}$$

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