



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

$$\frac{4x^7(x^{-3})^5}{x^2(x^{-2})^4}$$

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

$$\frac{2x^{(-8)}(x^4)^{(-2)}}{9x^2(x^{-3})^3}$$

$$7x^{(-5)}(x^6)^5x^2$$

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

$$\frac{8x^{(-5)}(x^6)^3}{7x^{(-1)}(x^3)^2}$$

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

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

$$\frac{9x^7(x^2)^5}{6x^{(-2)}(x^4)^3}$$

$$7x^{(-7)}(x^6)^5x^2$$



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$$\frac{4x^7(x^{-3})^5}{x^2(x^{-2})^4}$$
$$\frac{4}{x^2}$$

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

$$\frac{2x^{(-8)}(x^4)^{(-2)}}{9x^2(x^{-3})^3}$$
$$\frac{2}{9x^9}$$

$$7x^{(-5)}(x^6)^5x^2$$
$$7x^{27}$$

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

$$\frac{8x^{(-5)}(x^6)^3}{7x^{(-1)}(x^3)^2}$$
$$\frac{8}{7}x^8$$

$$\frac{4x^5(x^3)^5}{4x^{(-1)}(x^{(-2)})^{(-2)}}$$
$$x^{17}$$

$$3x^{(-7)}(x^4)^6x^2$$
$$3x^{19}$$

$$\frac{9x^7(x^2)^5}{6x^{(-2)}(x^4)^3}$$
$$\frac{3}{2}x^7$$

$$7x^{(-7)}(x^6)^5x^2$$
$$7x^{25}$$