



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

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

$$9x^3(x^5)^{(-2)}x^2$$

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

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

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

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

$$9x^6(x^3)^{(-2)}x^{(-1)}$$

$$\frac{x^8(x^6)^4}{4x^{(-1)}(x^4)^{(-3)}}$$

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

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



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$$\frac{3x^{(-2)}(x^2)^4}{8x^3(x^3)^{(-3)}}$$
$$\frac{3}{8}x^{12}$$

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

$$4x^{(-3)}(x^{(-2)})^3x^{(-1)}$$
$$\frac{4}{x^{10}}$$

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

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

$$\frac{3x^{(-8)}(x^5)^4}{5x^{(-2)}(x^2)^{(-3)}}$$
$$\frac{3}{5}x^{20}$$

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

$$\frac{x^8(x^6)^4}{4x^{(-1)}(x^4)^{(-3)}}$$
$$\frac{x^{45}}{4}$$

$$7x^8(x^5)^{(-3)}x^{(-3)}$$
$$\frac{7}{x^{10}}$$

$$\frac{5x^6(x^5)^5}{8x^{(-3)}(x^2)^3}$$
$$\frac{5}{8}x^{28}$$