

## Simplification des expressions d'exposant

Nom: \_\_\_\_\_

Date: \_\_\_\_\_ Note: \_\_\_\_\_

$$9x^9(x^4)^6x^2$$

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

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

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

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

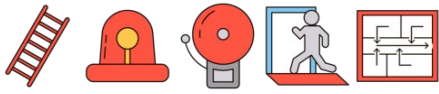
$$8x^9(x^3)^2x^{(-3)}$$

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

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

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

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



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$$\frac{9x^9(x^4)^6x^2}{9x^{35}}$$

$$\frac{9x^{(-2)}(x^6)^6}{3x^2(x^{(-2)})^{(-3)}} \\ 3x^{26}$$

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

$$\frac{7x^9(x^5)^3}{9x^2(x^4)^3} \\ \frac{7}{9}x^{10}$$

$$\frac{9x^{(-3)}(x^2)^5}{9x^3(x^2)^{(-3)}} \\ x^{-10}$$

$$\frac{8x^9(x^3)^2x^{(-3)}}{8x^{12}}$$

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

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

$$\frac{9x^{(-2)}(x^6)^{(-3)}}{2x^2(x^4)^{(-2)}} \\ \frac{9}{2x^{14}}$$

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