



Simplification des expressions d'exposant

Nom: _____

Date: _____ Note: _____

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

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

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

$$7x^{(-9)}(x^{(-3)})^{(-1)}x^3$$

$$\frac{x^{(-8)}(x^6)^5}{5x^{(-1)}(x^4)^{(-2)}}$$

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

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

$$9x^8(x^4)^3$$

$$7x^9(x^2)^2$$

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



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

$$\frac{6x^{(-6)}(x^5)^{(-2)}}{9x^3(x^3)^{(-3)}} = \frac{2}{3x^{10}}$$

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

$$\frac{7x^{(-9)}(x^{(-3)})^{(-1)}x^3}{x^3}$$

$$\frac{x^{(-8)}(x^6)^5}{5x^{(-1)}(x^4)^{(-2)}} = \frac{x^{31}}{5}$$

$$\frac{5x^4(x^6)^3}{4x^{(-3)}(x^{(-2)})^{(-3)}} = \frac{5}{4}x^{19}$$

$$\frac{4x^{(-7)}(x^3)^{(-3)}}{2x^2(x^{(-2)})^{(-3)}} = \frac{2}{x^{24}}$$

$$\frac{9x^8(x^4)^3}{9x^{20}}$$

$$\frac{7x^9(x^2)^2}{7x^{13}}$$

$$\frac{4x^{(-8)}(x^{(-3)})^{(-3)}}{8x^{(-3)}(x^2)^{(-3)}} = \frac{x^{10}}{2}$$