



Simplification des expressions d'exposant ( 2 variables )

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

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

$$\frac{x^{(-2)} \times y^{(-4)} (x^2 \times y^2)^3}{6 \times y^{(-3)} (x^4)^{(-1)}}$$

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

$$6 \times y^2 x^6 (x^4)^{(-1)} x^{(-2)} (y^4)^{(-1)}$$

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

$$6x^{(-6)} \times y^{(-6)} (x^6 \times y^{(-2)})^2$$

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

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

$$\frac{2x^8 \times y^{(-2)} (x^2 \times y^2)^{(-2)}}{2 \times y^{(-2)} (x^3)^{(-1)}}$$

$$1 \times y^2 x^5 (x^6)^{(-3)} x^{(-2)} (y^{(-3)})^{(-2)}$$

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



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$$\frac{x^{(-2)} \times y^{(-4)}(x^2 \times y^2)^3}{6 \times y^{(-3)}(x^4)^{(-1)}}$$

$$\frac{1}{6}x^8y^5$$

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

$$\frac{8x^8}{y^{19}}$$

$$6 \times y^2x^6(x^4)^{(-1)}x^{(-2)}(y^4)^{(-1)}$$

$$\frac{6}{y^2}$$

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

$$\frac{1}{3}x^6y^3$$

$$6x^{(-6)} \times y^{(-6)}(x^6 \times y^{(-2)})^2$$

$$\frac{6x^6}{y^{10}}$$

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

$$\frac{4}{3}x^{14}y^{11}$$

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

$$\frac{2}{x^5y^7}$$

$$\frac{2x^8 \times y^{(-2)}(x^2 \times y^2)^{(-2)}}{2 \times y^{(-2)}(x^3)^{(-1)}}$$

$$\frac{x^7}{y^4}$$

$$1 \times y^2x^5(x^6)^{(-3)}x^{(-2)}(y^{(-3)})^{(-2)}$$

$$\frac{y^8}{x^{15}}$$

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

$$\frac{8}{x^4y^3}$$