



Simplification des expressions d'exposant (2 variables)

Nom: _____

Date: _____ Note: _____

$$4x^{(-5)} \times y^{(-5)}(x^{(-3)} \times y^{(-12)})^{(-1)}$$

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

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

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

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

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

$$\frac{6x^7 \times y^2(x^{(-2)} \times y^{(-2)})^5}{2 \times y^2(x^4)^{(-1)}}$$

$$4 \times y^5x^5(x^{(-1)})^6x^2(y^4)^{(-2)}$$

$$\frac{7x^9 \times y^2(x^4 \times y^4)^5}{9 \times y^{(-2)}(x^{(-1)})^3}$$

$$\frac{x^8 \times y^{(-1)}(x^5 \times y^5)^{(-3)}}{8 \times y^{(-2)}(x^3)^3}$$



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$$4x^{(-5)} \times y^{(-5)}(x^{(-3)} \times y^{(-12)})^{(-1)}$$

$$\frac{4y^7}{x^2}$$

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

$$\frac{7}{x^{11}y^{11}}$$

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

$$x^{13}$$

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

$$\frac{9x^8}{y^4}$$

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

$$\frac{x^9}{y^7}$$

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

$$\frac{4x^{20}}{y^7}$$

$$\frac{6x^7 \times y^2(x^{(-2)} \times y^{(-2)})^5}{2 \times y^2(x^4)^{(-1)}}$$

$$\frac{3x}{y^{10}}$$

$$4 \times y^5x^5(x^{(-1)})^6x^2(y^4)^{(-2)}$$

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

$$\frac{7x^9 \times y^2(x^4 \times y^4)^5}{9 \times y^{(-2)}(x^{(-1)})^3}$$

$$\frac{7}{9}x^{32}y^{24}$$

$$\frac{x^8 \times y^{(-1)}(x^5 \times y^5)^{(-3)}}{8 \times y^{(-2)}(x^3)^3}$$

$$\frac{1}{8x^{16}y^{14}}$$