



Simplification des expressions d'exposant ( 2 variables )

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

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

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

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

$$6 \times y^{(-2)}x^4(x^2)^5x^3(y^{(-2)})^{(-1)}$$

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

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

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

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

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

$$\frac{7x^{(-2)} \times y^2(x^3 \times y^3)^4}{8 \times y^{(-3)}(x^{(-1)})^2}$$

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



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$$6x^{(-1)} \times y^{(-1)}(x^3 \times y^{(-2)})^6$$
$$\frac{6x^{17}}{y^{13}}$$

$$x^{(-3)} \times y^{(-3)}(x^2 \times y^4)^4$$
$$x^5 y^{13}$$

$$6 \times y^{(-2)}x^4(x^2)^5x^3(y^{(-2)})^{(-1)}$$
$$6x^{17}$$

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

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

$$9 \times y^{(-2)}x^{(-2)}(x^4)^5x^2(y^3)^{(-1)}$$
$$\frac{9x^{20}}{y^5}$$

$$\frac{4x^6 \times y^2(x^5 \times y^5)^5}{1 \times y^{(-2)}(x^2)^2}$$
$$4x^{27}y^{29}$$

$$\frac{2x^{(-3)} \times y^{(-4)}(x^6 \times y^6)^{(-2)}}{9 \times y^{(-3)}(x^2)^{(-2)}}$$
$$\frac{2}{9x^{11}y^{13}}$$

$$\frac{7x^{(-2)} \times y^2(x^3 \times y^3)^4}{8 \times y^{(-3)}(x^{(-1)})^2}$$
$$\frac{7}{8}x^{12}y^{17}$$

$$6 \times y^{(-4)}x^6(x^3)^2x^2(y^{(-1)})^{(-2)}$$
$$\frac{6x^{14}}{y^2}$$