



## Simplification des expressions d'exposant ( 2 variables )

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

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

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

$$\frac{3x^{(-4)} \times y^{(-6)}(x^{(-2)} \times y^{(-2)})^{(-3)}}{9 \times y^3(x^{(-1)})^{(-1)}}$$

$$9 \times y^5x^{(-6)}(x^5)^5x^{(-1)}(y^{(-1)})^{(-1)}$$

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

$$\frac{9x^{(-5)} \times y^{(-4)}(x^4 \times y^4)^4}{6 \times y^{(-1)}(x^{(-2)})^3}$$

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

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

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

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

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