



Simplification des expressions d'exposant (2 variables)

Nom: _____

Date: _____ Note: _____

$$3x^5 \times y^5(x^2 \times y^4)^6$$

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

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

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

$$\frac{8x^{(-5)} \times y^{(-4)}(x^5 \times y^5)^2}{1 \times y^{(-3)}(x^3)^2}$$

$$\frac{8x^7 \times y^{(-6)}(x^{(-2)} \times y^{(-2)})^{(-2)}}{9 \times y^{(-2)}(x^4)^2}$$

$$8x^{(-1)} \times y^{(-1)}(x^{(-1)} \times y^5)^6$$

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

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

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