Simplification des expressions d'exposant (2 variables)

Nom: _____ Date: _____ Note: _____

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

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

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

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

$7 \times y^5x^{(-5)}(x^2)^6x^{(-1)}(y^{(-3)})^5$

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

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

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

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

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

Simplification des expressions d'exposant (2 variables)

Nom: _____ Date: _____ Note: _____

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

$\frac{1}{2}x^{14}y^8$

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

$\frac{6x^{15}}{y^9}$

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

$\frac{5}{x^{22}y^{22}}$

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

2

$7 \times y^5x^{(-5)}(x^2)^6x^{(-1)}(y^{(-3)})^5$

$\frac{7x^6}{y^{10}}$

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

$\frac{5y}{x^3}$

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

$\frac{2}{x^{17}y^{17}}$

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

$\frac{7y^9}{x^8}$

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

y^3

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

$\frac{1}{x^{12}y^2}$