Simplificando as expressões expoentes (2 variáveis)

Nome: _____ Encontro: Data: _____ Pontuação: _____

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

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

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

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

$\dfrac{2x^{(-8)} \times y^3(x^4 \times y^4)^5}{7 \times y^3(x^2)^3}$

$2x^{(-3)} \times y^{(-3)}(x^3 \times y^{(-12)})^5$

$8x^{(-4)} \times y^{(-4)}(x^4 \times y^6)^6$

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

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

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

Simplificando as expressões expoentes (2 variáveis)

Nome: _____ Encontro: Data: _____ Pontuação: _____

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

$\frac{7x^{22}}{y^7}$

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

$\frac{1}{3}x^{15}y^9$

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

$\frac{4}{x^{13}y^{13}}$

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

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

$\frac{2x^{(-8)} \times y^3(x^4 \times y^4)^5}{7 \times y^3(x^2)^3}$

$\frac{2}{7}x^6y^{20}$

$2x^{(-3)} \times y^{(-3)}(x^3 \times y^{(-12)})^5$

$\frac{2x^{12}}{y^{63}}$

$8x^{(-4)} \times y^{(-4)}(x^4 \times y^6)^6$

$8x^{20}y^{32}$

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

$\frac{2}{x^8y^{12}}$

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

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

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

$\frac{x^{10}}{y^{20}}$