Simplifying Exponent Expressions(2 Variables)

Name: _____ Date: _____ Score: _____

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

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

$\dfrac{6x^3 \times y^{(-3)}(x^{(-1)} \times y^{(-1)})^{(-2)}}{8 \times y^{(-2)}(x^2)^2}$

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

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

$4x^6 \times y^6(x^6 \times y^{(-12)})^{(-3)}$

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

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

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

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

Simplifying Exponent Expressions(2 Variables)

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

$4x^{28}y^{13}$

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

$\frac{7x^{18}}{y^3}$

$\frac{6x^3 \times y^{(-3)}(x^{(-1)} \times y^{(-1)})^{(-2)}}{8 \times y^{(-2)}(x^2)^2}$

$\frac{3}{4}xy$

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

$\frac{7}{x^{11}y^3}$

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

$8x^{15}y^5$

$4x^6 \times y^6(x^6 \times y^{(-12)})^{(-3)}$

$\frac{4y^{42}}{x^{12}}$

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

$8x^{23}y^{18}$

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

$\frac{3y^{23}}{x^5}$

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

$\frac{5x^2}{4y^7}$

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

$\frac{6}{x^{22}y}$