



## Simplifying Exponent Expressions(2 Variables)

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

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

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

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

$$7 \times y^5 x^4 (x^6)^6 x^{(-3)} (y^2)^5$$

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

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

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

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

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

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