



## Simplifying Exponent Expressions(2 Variables)

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

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

$$x^4 \times y^4(x^4 \times y^{(-12)})^{(-2)}$$

$$\frac{5x^2 \times y^5(x^2 \times y^2)^3}{9 \times y^{(-2)}(x^{(-1)})^2}$$

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

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

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

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

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

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

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

$$9 \times y^2x^{(-3)}(x^5)^3x^{(-2)}(y^3)^{(-1)}$$