



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

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

$$\frac{7x^{(-9)} \times y^{(-2)} (x^6 \times y^6)^{(-3)}}{5 \times y^{(-3)} (x^2)^2}$$

$$9 \times y^4 x^{(-5)} (x^3)^{(-3)} x^3 (y^{(-1)})^5$$

$$2x^6 \times y^6 (x^6 \times y^6)^2$$

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

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

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



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

$$4 \times y^2 x^{(-5)} (x^6)^{(-2)} x^{(-1)} (y^{(-3)})^4$$
$$\frac{4}{x^{18} y^{10}}$$

$$8x^4 \times y^4 (x^3 \times y^{(-2)})^2$$
$$8x^{10}$$

$$2 \times y^4 x^5 (x^3)^{(-2)} x^{(-2)} (y^3)^2$$
$$\frac{2y^{10}}{x^3}$$

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

$$\frac{7x^{(-9)} \times y^{(-2)} (x^6 \times y^6)^{(-3)}}{5 \times y^{(-3)} (x^2)^2}$$
$$\frac{7}{5x^{31} y^{17}}$$

$$9 \times y^4 x^{(-5)} (x^3)^{(-3)} x^3 (y^{(-1)})^5$$
$$\frac{9}{x^{11} y}$$

$$2x^6 \times y^6 (x^6 \times y^6)^2$$
$$2x^{18} y^{18}$$

$$7 \times y^{(-2)} x^3 (x^6)^2 x^2 (y^3)^4$$
$$7x^{17} y^{10}$$

$$6 \times y^3 x^6 (x^5)^6 x^{(-3)} (y^{(-1)})^3$$
$$6x^{33}$$

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