



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

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

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

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

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

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

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

$$5x^3 \times y^3(x^6 \times y^3)^2$$



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

$$1 \times y^{(-2)}x^2(x^3)^4x^{(-3)}(y^{(-1)})^3$$
$$\frac{x^{11}}{y^5}$$

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

$$1 \times y^{(-2)}x^3(x^3)^5x^{(-1)}(y^{(-3)})^{(-1)}$$
$$x^{17}y$$

$$\frac{x^7 \times y^4(x^{(-2)} \times y^{(-2)})^{(-3)}}{7 \times y^3(x^{(-1)})^2}$$
$$\frac{1}{7}x^{15}y^7$$

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

$$\frac{7x^2 \times y^{(-3)}(x^2 \times y^2)^5}{4 \times y^2(x^3)^{(-2)}}$$
$$\frac{7}{4}x^{18}y^5$$

$$5 \times y^{(-4)}x^{(-5)}(x^5)^{(-3)}x^{(-1)}(y^3)^3$$
$$\frac{5y^5}{x^{21}}$$

$$3 \times y^{(-3)}x^{(-6)}(x^5)^{(-3)}x^{(-2)}(y^2)^2$$
$$\frac{3y}{x^{23}}$$

$$\frac{5x^{(-6)} \times y^3(x^4 \times y^4)^{(-3)}}{3 \times y^{(-1)}(x^4)^{(-2)}}$$
$$\frac{5}{3x^{10}y^8}$$

$$5x^3 \times y^3(x^6 \times y^3)^2$$
$$5x^{15}y^9$$