



## Simplifying Exponent Expressions(2 Variables)

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

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

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

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

$$\frac{5x^{(-8)} \times y^{(-2)}(x^4 \times y^4)^2}{9 \times y^3(x^2)^3}$$

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

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

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

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

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

$$\frac{8x^9 \times y^5(x^{(-1)} \times y^{(-1)})^5}{9 \times y^{(-1)}(x^{(-1)})^2}$$

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



## Simplifying Exponent Expressions(2 Variables)

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

$$\frac{5x^{(-5)} \times y^{(-3)}(x^4 \times y^4)^{(-3)}}{2 \times y^2(x^2)^3}$$
$$\frac{5}{2x^{23}y^{17}}$$

$$6 \times y^{(-3)}x^{(-6)}(x^{(-2)})^2x^3(y^{(-3)})^3$$
$$\frac{6}{x^7y^{12}}$$

$$\frac{5x^{(-8)} \times y^{(-2)}(x^4 \times y^4)^2}{9 \times y^3(x^2)^3}$$
$$\frac{5y^3}{9x^6}$$

$$\frac{2x^{(-6)} \times y^6(x^2 \times y^2)^5}{3 \times y^2(x^{(-2)})^{(-2)}}$$
$$\frac{2}{3}y^{14}$$

$$2 \times y^{(-4)}x^{(-6)}(x^5)^6x^{(-2)}(y^3)^5$$
$$2x^{22}y^{11}$$

$$\frac{5x^8 \times y^{(-2)}(x^3 \times y^3)^4}{8 \times y^3(x^{(-2)})^{(-1)}}$$
$$\frac{5}{8}x^{18}y^7$$

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

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

$$\frac{8x^9 \times y^5(x^{(-1)} \times y^{(-1)})^5}{9 \times y^{(-1)}(x^{(-1)})^2}$$
$$\frac{8}{9}x^6y$$

$$\frac{3x^4 \times y^{(-3)}(x^6 \times y^6)^{(-2)}}{7 \times y^3(x^{(-2)})^2}$$
$$\frac{3}{7x^4y^{18}}$$