



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

$$2x^{(-5)} \times y^{(-5)}(x^{(-2)} \times y^{(-12)})^5$$

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

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

$$\frac{x^7 \times y^{(-6)}(x^5 \times y^5)^4}{7 \times y^{(-1)}(x^3)^4}$$

$$\frac{9x^7 \times y^5(x^5 \times y^5)^2}{1 \times y^{(-1)}(x^2)^2}$$

$$8x^{(-6)} \times y^{(-6)}(x^2 \times y^{(-3)})^2$$

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

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

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



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$$\frac{x^{(-8)} \times y^3(x^5 \times y^5)^4}{2 \times y^{(-3)}(x^{(-1)})^4}$$
$$\frac{1}{2}x^{16}y^{26}$$

$$2x^{(-5)} \times y^{(-5)}(x^{(-2)} \times y^{(-12)})^5$$
$$\frac{2}{x^{15}y^{65}}$$

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

$$5 \times y^2x^{(-1)}(x^{(-2)})^2x^{(-1)}(y^{(-3)})^5$$
$$\frac{5}{x^6y^{13}}$$

$$\frac{x^7 \times y^{(-6)}(x^5 \times y^5)^4}{7 \times y^{(-1)}(x^3)^4}$$
$$\frac{1}{7}x^{15}y^{15}$$

$$\frac{9x^7 \times y^5(x^5 \times y^5)^2}{1 \times y^{(-1)}(x^2)^2}$$
$$9x^{13}y^{16}$$

$$8x^{(-6)} \times y^{(-6)}(x^2 \times y^{(-3)})^2$$
$$\frac{8}{x^2y^{12}}$$

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

$$2 \times y^3x^5(x^2)^{(-1)}x^3(y^2)^2$$
$$2x^6y^7$$

$$x^6 \times y^6(x^{(-1)} \times y^4)^2$$
$$x^4y^{14}$$