



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

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

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

$$9x^3 \times y^3 (x^{(-2)} \times y^4)^{(-1)}$$

$$9 \times y^2 x^{(-1)} (x^4)^6 x^{(-2)} (y^4)^3$$

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

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

$$8x^{(-5)} \times y^{(-5)} (x^3 \times y^6)^{(-3)}$$



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

$$2 \times y^3 x^{(-3)} (x^2)^6 x^{(-1)} (y^{(-3)})^{(-2)}$$
$$2x^8 y^9$$

$$8 \times y^2 x^5 (x^{(-3)})^5 x^{(-1)} (y^2)^3$$
$$\frac{8y^8}{x^{11}}$$

$$3 \times y^{(-2)} x^{(-2)} (x^5)^5 x^3 (y^2)^4$$
$$3x^{26} y^6$$

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

$$9x^3 \times y^3 (x^{(-2)} \times y^4)^{(-1)}$$
$$\frac{9x^5}{y}$$

$$9 \times y^2 x^{(-1)} (x^4)^6 x^{(-2)} (y^4)^3$$
$$9x^{21} y^{14}$$

$$3 \times y^{(-1)} x^3 (x^{(-3)})^6 x^{(-2)} (y^3)^3$$
$$\frac{3y^8}{x^{17}}$$

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

$$8x^{(-5)} \times y^{(-5)} (x^3 \times y^6)^{(-3)}$$
$$\frac{8}{x^{14} y^{23}}$$