



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

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

$$4x^4 \times y^4 (x^5 \times y^5)^3$$

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

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

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

$$\frac{4x^{(-9)} \times y^5 (x^{(-2)} \times y^{(-2)})^4}{7 \times y^2 (x^3)^2}$$

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



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

$$2x^{(-4)} \times y^{(-4)} (x^4 \times y^6)^6$$
$$2x^{20} y^{32}$$

$$\frac{7x^{(-3)} \times y^5 (x^{(-2)} \times y^{(-2)})^3}{5 \times y^3 (x^2)^3}$$
$$\frac{7}{5x^{15} y^4}$$

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

$$4x^4 \times y^4 (x^5 \times y^5)^3$$
$$4x^{19} y^{19}$$

$$\frac{x^{(-8)} \times y^{(-2)} (x^6 \times y^6)^4}{3 \times y^3 (x^2)^{(-1)}}$$
$$\frac{1}{3} x^{18} y^{19}$$

$$\frac{4x^{(-3)} \times y^6 (x^4 \times y^4)^2}{2 \times y^{(-1)} (x^{(-2)})^2}$$
$$2x^9 y^{15}$$

$$9 \times y^{(-3)} x^4 (x^3)^{(-2)} x^2 (y^2)^{(-2)}$$
$$\frac{9}{y^7}$$

$$\frac{4x^{(-9)} \times y^5 (x^{(-2)} \times y^{(-2)})^4}{7 \times y^2 (x^3)^2}$$
$$\frac{4}{7x^{23} y^5}$$

$$9 \times y^{(-1)} x^6 (x^6)^{(-3)} x^{(-1)} (y^{(-1)})^2$$
$$\frac{9}{x^{13} y^3}$$