



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

$$4x^{(-5)} \times y^{(-5)} (x^6 \times y^{(-12)})^5$$

$$\frac{4x^{(-1)} \times y^6 (x^{(-1)} \times y^{(-1)})^2}{7 \times y^{(-2)} (x^3)^4}$$

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

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

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

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

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



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

$$\frac{7x^{(-8)} \times y^{(-3)} (x^5 \times y^5)^2}{2 \times y^2 (x^3)^4}$$
$$\frac{7y^5}{2x^{10}}$$

$$9 \times y^3 x^4 (x^6)^4 x^{(-3)} (y^{(-2)})^{(-1)}$$
$$9x^{25} y^5$$

$$4x^{(-5)} \times y^{(-5)} (x^6 \times y^{(-12)})^5$$
$$\frac{4x^{25}}{y^{65}}$$

$$\frac{4x^{(-1)} \times y^6 (x^{(-1)} \times y^{(-1)})^2}{7 \times y^{(-2)} (x^3)^4}$$
$$\frac{4y^6}{7x^{15}}$$

$$5x^{(-4)} \times y^{(-4)} (x^2 \times y^6)^{(-2)}$$
$$\frac{5}{x^8 y^{16}}$$

$$5x^6 \times y^6 (x^{(-3)} \times y^6)^{(-1)}$$
$$5x^9$$

$$7x^{(-6)} \times y^{(-6)} (x^6 \times y^3)^6$$
$$7x^{30} y^{12}$$

$$\frac{5x^{(-3)} \times y^{(-6)} (x^3 \times y^3)^5}{2 \times y^2 (x^{(-2)})^{(-2)}}$$
$$\frac{5}{2} x^8 y^7$$

$$\frac{9x^3 \times y^4 (x^5 \times y^5)^{(-3)}}{2 \times y^{(-2)} (x^2)^4}$$
$$\frac{9}{2x^{20} y^9}$$