



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

$$\frac{7x^{(-8)} \times y^{(-2)} (x^{(-2)} \times y^{(-2)})^3}{6 \times y^2 (x^4)^{(-1)}}$$

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

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

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

$$5x^4 \times y^4 (x^3 \times y^6)^4$$

$$\frac{5x^{(-7)} \times y^6 (x^3 \times y^3)^2}{2 \times y^3 (x^4)^{(-2)}}$$

$$x^{(-3)} \times y^{(-3)} (x^4 \times y^{(-12)})^6$$

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

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



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

$$\frac{7x^{(-8)} \times y^{(-2)} (x^{(-2)} \times y^{(-2)})^3}{6 \times y^2 (x^4)^{(-1)}}$$
$$\frac{7}{6x^{10} y^{10}}$$

$$4x^5 \times y^5 (x^3 \times y^5)^5$$
$$4x^{20} y^{30}$$

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

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

$$5x^4 \times y^4 (x^3 \times y^6)^4$$
$$5x^{16} y^{28}$$

$$\frac{5x^{(-7)} \times y^6 (x^3 \times y^3)^2}{2 \times y^3 (x^4)^{(-2)}}$$
$$\frac{5}{2} x^7 y^9$$

$$x^{(-3)} \times y^{(-3)} (x^4 \times y^{(-12)})^6$$
$$\frac{x^{21}}{y^{75}}$$

$$3x^6 \times y^6 (x^{(-3)} \times y^6)^6$$
$$\frac{3y^{42}}{x^{12}}$$

$$9x^{(-4)} \times y^{(-4)} (x^{(-3)} \times y^4)^{(-2)}$$
$$\frac{9x^2}{y^{12}}$$