



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

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

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

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

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

$$\frac{6x^{(-5)} \times y^{(-4)}(x^5 \times y^5)^{(-3)}}{7 \times y^{(-3)}(x^2)^{(-1)}}$$

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

$$8 \times y^5x^2(x^2)^6x^3(y^{(-1)})^{(-1)}$$



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$$7 \times y^{(-4)}x^3(x^4)^{(-3)}x^{(-2)}(y^4)^4$$
$$\frac{7y^{12}}{x^{11}}$$

$$4 \times y^5x^{(-3)}(x^6)^{(-3)}x^3(y^3)^5$$
$$\frac{4y^{20}}{x^{18}}$$

$$5x^{(-5)} \times y^{(-5)}(x^{(-2)} \times y^4)^{(-3)}$$
$$\frac{5x}{y^{17}}$$

$$9 \times y^2x^5(x^6)^2x^3(y^{(-3)})^5$$
$$\frac{9x^{20}}{y^{13}}$$

$$\frac{4x^{(-3)} \times y^{(-6)}(x^2 \times y^2)^5}{4 \times y^{(-1)}(x^3)^{(-2)}}$$
$$x^{13}y^5$$

$$\frac{4x^3 \times y^3(x^6 \times y^6)^3}{9 \times y^{(-1)}(x^4)^4}$$
$$\frac{4}{9}x^5y^{22}$$

$$5 \times y^{(-2)}x^5(x^{(-2)})^{(-2)}x^3(y^{(-1)})^{(-1)}$$
$$\frac{5x^{12}}{y}$$

$$\frac{6x^{(-5)} \times y^{(-4)}(x^5 \times y^5)^{(-3)}}{7 \times y^{(-3)}(x^2)^{(-1)}}$$
$$\frac{6}{7x^{18}y^{16}}$$

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

$$8 \times y^5x^2(x^2)^6x^3(y^{(-1)})^{(-1)}$$
$$8x^{17}y^6$$