



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

$$7x^2 \times y^2(x^6 \times y^3)^5$$

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

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

$$7x^{(-2)} \times y^{(-2)}(x^6 \times y^{(-12)})^4$$

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

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

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



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$$\frac{3x^{(-1)} \times y^5(x^2 \times y^2)^5}{7 \times y^3(x^{(-1)})^3}$$
$$\frac{3}{7}x^{12}y^{12}$$

$$\frac{7x^{(-7)} \times y^5(x^2 \times y^2)^4}{1 \times y^3(x^2)^4}$$
$$\frac{7y^{10}}{x^7}$$

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

$$7x^2 \times y^2(x^6 \times y^3)^5$$
$$7x^{32}y^{17}$$

$$\frac{5x^4 \times y^{(-4)}(x^{(-2)} \times y^{(-2)})^{(-2)}}{5 \times y^{(-2)}(x^4)^{(-1)}}$$
$$x^{12}y^2$$

$$2 \times y^2x^{(-3)}(x^{(-2)})^6x^{(-3)}(y^4)^2$$
$$\frac{2y^{10}}{x^{18}}$$

$$7x^{(-2)} \times y^{(-2)}(x^6 \times y^{(-12)})^4$$
$$\frac{7x^{22}}{y^{50}}$$

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

$$\frac{4x^7 \times y^3(x^5 \times y^5)^{(-2)}}{1 \times y^{(-2)}(x^4)^4}$$
$$\frac{4}{x^{19}y^5}$$

$$\frac{4x^2 \times y^{(-5)}(x^5 \times y^5)^5}{7 \times y^3(x^3)^{(-1)}}$$
$$\frac{4}{7}x^{30}y^{17}$$