



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

$$\frac{6x^{(-8)} \times y^3(x^4 \times y^4)^3}{5 \times y^{(-2)}(x^3)^{(-1)}}$$

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

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

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

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

$$9x^{(-1)} \times y^{(-1)}(x^5 \times y^{(-12)})^{(-1)}$$

$$\frac{8x^{(-9)} \times y^2(x^5 \times y^5)^3}{6 \times y^{(-1)}(x^{(-1)})^3}$$

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



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

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

$$\frac{6x^{(-8)} \times y^3(x^4 \times y^4)^3}{5 \times y^{(-2)}(x^3)^{(-1)}}$$
$$\frac{6}{5}x^7y^{17}$$

$$2 \times y^3x^4(x^{(-1)})^3x^{(-3)}(y^{(-3)})^5$$
$$\frac{2}{x^2y^{12}}$$

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

$$8x^4 \times y^4(x^{(-1)} \times y^6)^4$$
$$8y^{28}$$

$$7 \times y^{(-4)}x^5(x^4)^{(-1)}x^3(y^4)^3$$
$$7x^4y^8$$

$$9x^{(-1)} \times y^{(-1)}(x^5 \times y^{(-12)})^{(-1)}$$
$$\frac{9y^{11}}{x^6}$$

$$\frac{8x^{(-9)} \times y^2(x^5 \times y^5)^3}{6 \times y^{(-1)}(x^{(-1)})^3}$$
$$\frac{4}{3}x^9y^{18}$$

$$2x^{(-6)} \times y^{(-6)}(x^{(-2)} \times y^5)^5$$
$$\frac{2y^{19}}{x^{16}}$$