



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

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

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

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

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

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

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

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



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$$\frac{8x^{(-4)} \times y^{(-3)}(x^6 \times y^6)^5}{6 \times y^{(-2)}(x^3)^2}$$
$$\frac{4}{3}x^{20}y^{29}$$

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

$$\frac{5x^8 \times y^{(-1)}(x^2 \times y^2)^4}{5 \times y^{(-1)}(x^3)^{(-2)}}$$
$$x^{22}y^8$$

$$\frac{7x^{(-3)} \times y^{(-6)}(x^2 \times y^2)^4}{8 \times y^{(-2)}(x^{(-1)})^4}$$
$$\frac{7}{8}x^9y^4$$

$$9x^3 \times y^3(x^{(-3)} \times y^6)^6$$
$$\frac{9y^{39}}{x^{15}}$$

$$\frac{x^{(-5)} \times y^{(-5)}(x^2 \times y^2)^{(-3)}}{1 \times y^{(-2)}(x^{(-1)})^{(-2)}}$$
$$\frac{1}{x^{13}y^9}$$

$$\frac{8x^{(-1)} \times y^{(-5)}(x^{(-2)} \times y^{(-2)})^4}{7 \times y^{(-1)}(x^2)^2}$$
$$\frac{8}{7x^{13}y^{12}}$$

$$8 \times y^3x^{(-4)}(x^6)^3x^2(y^{(-1)})^3$$
$$8x^{16}$$

$$\frac{4x^{(-4)} \times y^{(-5)}(x^4 \times y^4)^{(-3)}}{1 \times y^2(x^3)^{(-1)}}$$
$$\frac{4}{x^{13}y^{19}}$$

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