



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

$$8x^4 \times y^4(x^4 \times y^3)^4$$

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

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

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

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

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

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

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



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

$$8y^{12}$$

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

$$\frac{3}{2x^{13}}$$

$$8x^4 \times y^4(x^4 \times y^3)^4$$

$$8x^{20}y^{16}$$

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

$$\frac{5}{8x^{35}y^{16}}$$

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

$$\frac{4}{7x^3}$$

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

$$x$$

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

$$\frac{3}{4}x^{19}y^6$$

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

$$\frac{4y^7}{x}$$

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

$$\frac{6x^{26}}{y^{12}}$$

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

$$x^{14}y^{16}$$