



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

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

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

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

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

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

$$7x^{(-4)} \times y^{(-4)}(x^{(-1)} \times y^{(-12)})^{(-1)}$$

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



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

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

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

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

$$1 \times y^{(-1)}x^{(-5)}(x^6)^5x^{(-2)}(y^{(-1)})^{(-2)}$$
$$x^{23}y$$

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

$$\frac{9x^7 \times y^{(-6)}(x^2 \times y^2)^{(-2)}}{2 \times y^{(-3)}(x^4)^4}$$
$$\frac{9}{2x^{13}y^7}$$

$$6x^{(-3)} \times y^{(-3)}(x^6 \times y^4)^5$$
$$6x^{27}y^{17}$$

$$7x^{(-4)} \times y^{(-4)}(x^{(-1)} \times y^{(-12)})^{(-1)}$$
$$\frac{7y^8}{x^3}$$

$$\frac{7x^2 \times y^{(-2)}(x^{(-1)} \times y^{(-1)})^5}{1 \times y^3(x^2)^3}$$
$$\frac{7}{x^9y^{10}}$$