



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

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

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

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

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

$$x^{(-2)} \times y^{(-2)}(x^{(-3)} \times y^{(-12)})^2$$

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

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



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$$6x^3y^3$$

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

$$\frac{2y^{24}}{x^4}$$

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

$$\frac{2y^2}{x^{11}}$$

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

$$\frac{7}{6x^6y^{14}}$$

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

$$\frac{8}{7x^{22}y^{18}}$$

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

$$\frac{7x^8}{y^4}$$

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

$$6x^{23}y^2$$

$$x^{(-2)} \times y^{(-2)}(x^{(-3)} \times y^{(-12)})^2$$

$$\frac{1}{x^8y^{26}}$$

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

$$\frac{5y^2}{3x^8}$$

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

$$\frac{9}{x^4y^{13}}$$