



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

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

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

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

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

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

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

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

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

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



Simplifying Exponent Expressions(2 Variables)

Name: _____

Date: _____ Score: _____

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

$$\frac{6x^8}{7y^6}$$

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

$$\frac{x^{28}}{y}$$

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

$$4x^{29} y^7$$

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

$$\frac{1}{3} x^5 y^{13}$$

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

$$\frac{3}{x^{10} y^{16}}$$

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

$$\frac{3x^{14}}{y^2}$$

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

$$\frac{5y^6}{x^6}$$

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

$$\frac{3x^{10}}{y^{20}}$$

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

$$\frac{3y^7}{x^{12}}$$

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

$$\frac{3}{x^{12} y^{16}}$$