



Упрощение выражений экспоненты (2
переменные)

Имя: _____

Дата: _____ Оценка: _____

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

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

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

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

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

$$\frac{6x^2 \times y^{(-4)}(x^2 \times y^2)^5}{9 \times y^3(x^3)^4}$$

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

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

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

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



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$$\frac{2x^2 \times y^2(x^{-3}) \times y^4(-3)}{y^{10}} = \frac{2x^{11}}{y^{10}}$$

$$\frac{6x^{(-5)} \times y^{(-6)}(x^6 \times y^6)(-3)}{6 \times y^{(-2)}(x^{(-1)})(-2)} = \frac{1}{x^{25}y^{22}}$$

$$\frac{3x^{(-3)} \times y^{(-3)}(x^2 \times y^4)(-3)}{x^9y^{15}} = \frac{3}{x^9y^{15}}$$

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

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

$$\frac{6x^2 \times y^{(-4)}(x^2 \times y^2)^5}{9 \times y^3(x^3)^4} = \frac{2}{3}y^3$$

$$\frac{4x^8 \times y^{(-4)}(x^6 \times y^6)(-3)}{4 \times y^{(-3)}(x^2)^3} = \frac{1}{x^{16}y^{19}}$$

$$\frac{9 \times y^4x^4(x^6)^6x^{(-2)}(y^4)^2}{9x^{38}y^{12}} = \frac{9x^{38}y^{12}}{9x^{38}y^{12}}$$

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

$$\frac{5x^{(-2)} \times y^{(-2)}(x^{(-2)} \times y^3)^4}{x^{10}} = \frac{5y^{10}}{x^{10}}$$