



Упрощение выражений экспоненты (2  
переменные)

Имя: \_\_\_\_\_

Дата: \_\_\_\_\_ Оценка: \_\_\_\_\_

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

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

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

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

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

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

$$8 \times y^2 x^6 (x^2)^6 x^{(-2)}(y^3)^{(-1)}$$

$$2x^{(-1)} \times y^{(-1)}(x^6 \times y^{(-12)})^{(-1)}$$

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

$$\frac{3x^9 \times y^{(-6)}(x^2 \times y^2)^2}{4 \times y^{(-1)}(x^{(-1)})^2}$$



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$$\frac{9x^6 \times y^3(x^4 \times y^4)^4}{7 \times y^{(-2)}(x^{(-2)})^{(-2)}}$$
$$\frac{9}{7}x^{18}y^{21}$$

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

$$5 \times y^4x^{(-5)}(x^{(-1)})^5x^{(-1)}(y^{(-1)})^4$$
$$\frac{5}{x^{11}}$$

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

$$\frac{3x^{(-4)} \times y^{(-5)}(x^6 \times y^6)^3}{2 \times y^{(-3)}(x^3)^4}$$
$$\frac{3}{2}x^2y^{16}$$

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

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

$$2x^{(-1)} \times y^{(-1)}(x^6 \times y^{(-12)})^{(-1)}$$
$$\frac{2y^{11}}{x^7}$$

$$9 \times y^{(-1)}x^{(-6)}(x^3)^3x^2(y^3)^3$$
$$9x^5y^8$$

$$\frac{3x^9 \times y^{(-6)}(x^2 \times y^2)^2}{4 \times y^{(-1)}(x^{(-1)})^2}$$
$$\frac{3x^{15}}{4y}$$