



Simplificando as expressões expoentes (2 variáveis)

Nome: _____

Encontro: Data: _____ Pontuação: _____

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

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

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

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

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

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

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

$$\frac{9x^{(-6)} \times y^{(-5)}(x^2 \times y^2)^5}{7 \times y^3(x^{(-1)})^{(-1)}}$$

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

$$\frac{9x^{(-9)} \times y^3(x^3 \times y^3)^4}{8 \times y^{(-1)}(x^{(-2)})^{(-1)}}$$



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

$$\frac{4}{x^7 y^5}$$

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

$$\frac{4x^9}{y^{12}}$$

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

$$\frac{4}{x^{17} y^{23}}$$

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

$$\frac{8y^2}{x^7}$$

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

$$\frac{3y^{13}}{x^{10}}$$

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

$$\frac{9}{x^{11} y^{11}}$$

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

$$9x^3 y^3$$

$$\frac{9x^{(-6)} \times y^{(-5)} (x^2 \times y^2)^5}{7 \times y^3 (x^{(-1)})^{(-1)}}$$

$$\frac{9}{7} x^3 y^2$$

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

$$2x^{23} y^{33}$$

$$\frac{9x^{(-9)} \times y^3 (x^3 \times y^3)^4}{8 \times y^{(-1)} (x^{(-2)})^{(-1)}}$$

$$\frac{9}{8} xy^{16}$$