



Simplificando as expressões expoentes (2 variáveis)

Nome: _____

Encontro: Data: _____ Pontuação: _____

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

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

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

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

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

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

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

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

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

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



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$$9x^2 \times y^2(x^{-3}) \times y^4)^4$$
$$\frac{9y^{18}}{x^{10}}$$

$$\frac{7x^{(-3)} \times y^{(-1)}(x^{(-2)} \times y^{(-2)})^3}{4 \times y^{(-2)}(x^4)^4}$$
$$\frac{7}{4x^{25}y^5}$$

$$4 \times y^{(-1)}x^{(-4)}(x^6)^3x^3(y^2)^{(-1)}$$
$$\frac{4x^{17}}{y^3}$$

$$x^{(-1)} \times y^{(-1)}(x^3 \times y^5)^3$$
$$x^8y^{14}$$

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

$$3 \times y^{(-1)}x^{(-5)}(x^2)^{(-2)}x^{(-2)}(y^{(-3)})^{(-2)}$$
$$\frac{3y^5}{x^{11}}$$

$$\frac{2x^{(-5)} \times y^{(-2)}(x^3 \times y^3)^5}{6 \times y^{(-3)}(x^2)^2}$$
$$\frac{1}{3}x^6y^{16}$$

$$\frac{3x^{(-8)} \times y^{(-2)}(x^{(-2)} \times y^{(-2)})^3}{5 \times y^{(-1)}(x^{(-2)})^3}$$
$$\frac{3}{5x^8y^7}$$

$$3 \times y^{(-3)}x^{(-2)}(x^4)^4x^2(y^4)^4$$
$$3x^{16}y^{13}$$

$$5x^{(-4)} \times y^{(-4)}(x^6 \times y^6)^3$$
$$5x^{14}y^{14}$$