



## Simplificando as expressões expoentes (2 variáveis)

Nome: \_\_\_\_\_

Encontro: Data: \_\_\_\_\_ Pontuação: \_\_\_\_\_

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

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

$$2x^2 \times y^2(x^5 \times y^{(-12)})^2$$

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

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

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

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

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

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

$$5x^3 \times y^3(x^5 \times y^{(-12)})^{(-1)}$$



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$$\frac{9x^8 \times y^{(-6)}(x^{(-1)} \times y^{(-1)})^{(-2)}}{8 \times y^3(x^{(-2)})^2}$$
$$\frac{9x^{14}}{8y^7}$$

$$\frac{x^{(-7)} \times y^{(-3)}(x^5 \times y^5)^{(-3)}}{5 \times y^{(-1)}(x^2)^3}$$
$$\frac{1}{5x^{28}y^{17}}$$

$$2x^2 \times y^2(x^5 \times y^{(-12)})^2$$
$$\frac{2x^{12}}{y^{22}}$$

$$\frac{5x^4 \times y^4(x^6 \times y^6)^3}{7 \times y^2(x^4)^3}$$
$$\frac{5}{7}x^{10}y^{20}$$

$$5 \times y^3x^3(x^4)^5x^{(-1)}(y^{(-2)})^2$$
$$\frac{5x^{22}}{y}$$

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

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

$$\frac{3x^{(-7)} \times y^2(x^4 \times y^4)^{(-2)}}{1 \times y^{(-2)}(x^3)^3}$$
$$\frac{3}{x^{24}y^4}$$

$$\frac{5x^{(-1)} \times y^2(x^6 \times y^6)^{(-3)}}{5 \times y^2(x^2)^{(-2)}}$$
$$\frac{1}{x^{15}y^{18}}$$

$$5x^3 \times y^3(x^5 \times y^{(-12)})^{(-1)}$$
$$\frac{5y^{15}}{x^2}$$