Simplificando as expressões expoentes (2 variáveis)

Nome: _____ Encontro: Data: _____ Pontuação: _____

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

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

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

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

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

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

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

$$\frac{4x^{8} \times y^{(-1)}(x^{5} \times y^{5})^{3}}{5 \times y^{(-1)}(x^{4})^{(-2)}}$$

$$7x^{3} \times y^{3}(x^{6} \times y^{6})^{(-3)}$$

$$8x^{(-1)} \times y^{(-1)}(x^{3} \times y^{(-12)})^{(-2)}$$

Simplificando as expressões expoentes (2 variáveis)

Nome: _____ Encontro: Data: _____ Pontuação: _____

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

$\frac{4}{3}x^{18}y^{6}$

$\dfrac{7x^{9} \times y^{(-3)}(x^{3} \times y^{3})^{(-3)}}{3 \times y^{3}(x^{(-2)})^{2}}$

$\dfrac{7x^{4}}{3y^{15}}$

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

$x^{6}y^{5}$

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

$\dfrac{2}{x^{4}y^{11}}$

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

$\dfrac{1}{x^{17}y}$

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

$\dfrac{8}{9x^{22}y^{9}}$

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

$\dfrac{7}{x^{2}y^{4}}$

$\dfrac{4x^{8} \times y^{(-1)}(x^{5} \times y^{5})^{3}}{5 \times y^{(-1)}(x^{4})^{(-2)}}$

$\frac{4}{5}x^{31}y^{15}$

$7x^{3} \times y^{3}(x^{6} \times y^{6})^{(-3)}$

$\dfrac{7}{x^{15}y^{15}}$

$8x^{(-1)} \times y^{(-1)}(x^{3} \times y^{(-12)})^{(-2)}$

$\dfrac{8y^{23}}{x^{7}}$