Simplificando os expoentes de fração (divisão)

Nome: _____ Encontro: Data: _____ Pontuação: _____

$$\frac{(\frac{1}{7})^{7} \cdot (\frac{1}{7})^{-7} \cdot (\frac{1}{7})^{-10} \cdot (\frac{1}{7})^{-2}}{(\frac{1}{7})^{7} \cdot (\frac{1}{7})^{-6}}$$

$$(\frac{2}{3})^{5} \cdot (\frac{2}{3})^{5} \cdot (\frac{2}{3})^{-5}$$

$$\frac{(\frac{1}{5})^{-1} \cdot (\frac{1}{5})^{-9} \cdot (\frac{1}{5})^{2} \cdot (\frac{1}{5})^{-8}}{(\frac{1}{5})^{3} \cdot (\frac{1}{5})^{-4}}$$

$$(\frac{4}{5})^{2} \cdot (\frac{4}{5})^{-7} \cdot (\frac{4}{5})^{-2}$$

$$(\frac{3}{8})^{-5} \cdot (\frac{3}{8})^{-7} \cdot (\frac{3}{8})^{11}$$

$$\frac{(\frac{1}{8})^{4} \cdot (\frac{1}{8})^{2} \cdot (\frac{1}{8})^{-6}}{(\frac{1}{8})^{10}}$$

$$\frac{(\frac{2}{5})^{-2} \cdot (\frac{2}{5})^{-2} \cdot (\frac{2}{5})^{11} \cdot (\frac{2}{5})^{-9}}{(\frac{2}{5})^{-2} \cdot (\frac{2}{5})^{5}}$$

$$(\frac{1}{9})^{8} \cdot (\frac{1}{9})^{-9} \cdot (\frac{1}{9})^{10}$$

$$\frac{(\frac{1}{4})^{-3} \cdot (\frac{1}{4})^{-3} \cdot (\frac{1}{4})^{-9}}{(\frac{1}{4})^{-9}}$$

$$\frac{(\frac{1}{3})^{-1} \cdot (\frac{1}{3})^{3} \cdot (\frac{1}{3})^{11} \cdot (\frac{1}{3})^{-8}}{(\frac{1}{3})^{8} \cdot (\frac{1}{3})^{5}}$$

$$\frac{(\frac{1}{8})^{2} \cdot (\frac{1}{8})^{-8} \cdot (\frac{1}{8})^{4}}{(\frac{1}{8})^{-3}}$$

$$\frac{(\frac{1}{3})^{10} \cdot (\frac{1}{3})^{-5} \cdot (\frac{1}{3})^{6}}{(\frac{1}{3})^{-1}}$$

$$\frac{(\frac{3}{5})^{4} \cdot (\frac{3}{5})^{11} \cdot (\frac{3}{5})^{10}}{(\frac{3}{5})^{-9}}$$

$$\frac{(\frac{1}{5})^{8} \cdot (\frac{1}{5})^{-5} \cdot (\frac{1}{5})^{-5}}{(\frac{1}{5})^{-8}}$$

$$\frac{(\frac{1}{3})^{11} \cdot (\frac{1}{3})^{5} \cdot (\frac{1}{3})^{-5} \cdot (\frac{1}{3})^{10}}{(\frac{1}{3})^{-2} \cdot (\frac{1}{3})^{10}}$$