Simplificando os expoentes de fração (divisão)

Nome: _____ Encontro: Data: _____ Pontuação: _____

$\frac{(\frac{3}{7})^{9} \cdot (\frac{3}{7})^{-8} \cdot (\frac{3}{7}) \cdot (\frac{3}{7})^{2}}{(\frac{3}{7})^{-3} \cdot (\frac{3}{7})^{4}}$

$\frac{(\frac{2}{7})^{-7} \cdot (\frac{2}{7})^{9} \cdot (\frac{2}{7})^{-4} \cdot (\frac{2}{7})^{9}}{(\frac{2}{7})^{-1} \cdot (\frac{2}{7})^{-10}}$

$\frac{(\frac{4}{7})^{10} \cdot (\frac{4}{7})^{9} \cdot (\frac{4}{7})^{10}}{(\frac{4}{7})^{3}}$

$(\frac{1}{8})^{-9} \cdot (\frac{1}{8})^{-6} \cdot (\frac{1}{8})^{-1}$

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

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

$(\frac{2}{9})^{8} \cdot (\frac{2}{9})^{6} \cdot (\frac{2}{9})^{-2}$

$(\frac{1}{9})^{-5} \cdot (\frac{1}{9})^{5} \cdot (\frac{1}{9})^{-6}$

$(\frac{1}{2})^{4} \cdot (\frac{1}{2})^{-4} \cdot (\frac{1}{2})^{7}$

$(\frac{1}{4})^{9} \cdot (\frac{1}{4}) \cdot (\frac{1}{4})^{-10}$

$(\frac{3}{8})^{7} \cdot (\frac{3}{8})^{-2} \cdot (\frac{3}{8})^{3}$

$\frac{(\frac{2}{9})^{-10} \cdot (\frac{2}{9})^{-3} \cdot (\frac{2}{9})^{2} \cdot (\frac{2}{9})^{-8}}{(\frac{2}{9})^{-4} \cdot (\frac{2}{9})^{-3}}$

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

$\frac{(\frac{4}{9})^{-7} \cdot (\frac{4}{9})^{-10} \cdot (\frac{4}{9})^{-10}}{(\frac{4}{9})^{8}}$

$\frac{(\frac{2}{5})^{4} \cdot (\frac{2}{5})^{-6} \cdot (\frac{2}{5})^{-7}}{(\frac{2}{5})^{8}}$