Simplificación de exponentes de fracciones (división)

Nombre: _____ Fecha: _____ Puntuación: _____

$\frac{(\frac{1}{3})^{2} \cdot (\frac{1}{3})^{10} \cdot (\frac{1}{3})^{-2} \cdot (\frac{1}{3})^{-1}}{(\frac{1}{3})^{7} \cdot (\frac{1}{3})^{8}}$

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

$\frac{(\frac{2}{5})^{8} \cdot (\frac{2}{5})^{-8} \cdot (\frac{2}{5})^{-8} \cdot (\frac{2}{5})^{11}}{(\frac{2}{5})^{2} \cdot (\frac{2}{5})^{-10}}$

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

$(\frac{1}{3}) \cdot (\frac{1}{3})^{7} \cdot (\frac{1}{3})^{8}$

$\frac{(\frac{2}{7})^{11} \cdot (\frac{2}{7})^{-8} \cdot (\frac{2}{7})^{9} \cdot (\frac{2}{7})^{-7}}{(\frac{2}{7})^{9} \cdot (\frac{2}{7})^{7}}$

$\frac{(\frac{1}{4})^{3} \cdot (\frac{1}{4})^{8} \cdot (\frac{1}{4})^{-1}}{(\frac{1}{4})^{-10}}$

$\frac{(\frac{1}{2})^{6} \cdot (\frac{1}{2})^{-1} \cdot (\frac{1}{2})^{4}}{(\frac{1}{2})^{5}}$

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

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

$\frac{(\frac{3}{8})^{6} \cdot (\frac{3}{8})^{-5} \cdot (\frac{3}{8})^{9}}{(\frac{3}{8})^{9}}$

$\frac{(\frac{4}{7})^{-6} \cdot (\frac{4}{7})^{10} \cdot (\frac{4}{7})^{-1} \cdot (\frac{4}{7})^{2}}{(\frac{4}{7})^{-10} \cdot (\frac{4}{7})^{-4}}$

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

$\frac{(\frac{1}{8})^{-4} \cdot (\frac{1}{8}) \cdot (\frac{1}{8})^{9} \cdot (\frac{1}{8})^{8}}{(\frac{1}{8})^{10} \cdot (\frac{1}{8})^{3}}$

$(\frac{2}{5})^{4} \cdot (\frac{2}{5})^{10} \cdot (\frac{2}{5})^{4}$