Simplifying Fraction Exponent Expressions (Division)

Name: _____ Date: _____ Score: _____

$(\frac{4}{9})^{7} \cdot (\frac{4}{9})^{5} \cdot (\frac{4}{9})^{-6}$

$\frac{(\frac{1}{2})^{8} \cdot (\frac{1}{2})^{-3} \cdot (\frac{1}{2})^{-4}}{(\frac{1}{2})^{6}}$

$\frac{(\frac{1}{9})^{-8} \cdot (\frac{1}{9})^{8} \cdot (\frac{1}{9})^{6}}{(\frac{1}{9})^{11}}$

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

$\frac{(\frac{3}{8})^{4} \cdot (\frac{3}{8})^{11} \cdot (\frac{3}{8})^{7}}{(\frac{3}{8})^{-3}}$

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

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

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

$\frac{(\frac{3}{7})^{-10} \cdot (\frac{3}{7})^{5} \cdot (\frac{3}{7})^{2}}{(\frac{3}{7})^{4}}$

$(\frac{4}{7})^{9} \cdot (\frac{4}{7})^{-2} \cdot (\frac{4}{7})^{-5}$

$\frac{(\frac{3}{5})^{-1} \cdot (\frac{3}{5})^{-6} \cdot (\frac{3}{5})^{-7}}{(\frac{3}{5})^{-8}}$

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

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

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

$\frac{(\frac{1}{7})^{2} \cdot (\frac{1}{7})^{2} \cdot (\frac{1}{7})^{5} \cdot (\frac{1}{7})^{2}}{(\frac{1}{7}) \cdot (\frac{1}{7})^{-8}}$