Simplifying Fraction Exponent Expressions (Division)

Name: _____ Date: _____ Score: _____

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

$\frac{(\frac{4}{7})^{-1} \cdot (\frac{4}{7})^{2} \cdot (\frac{4}{7})^{3}}{(\frac{4}{7})^{-6}}$

$\frac{(\frac{1}{9})^{-3} \cdot (\frac{1}{9})^{-3} \cdot (\frac{1}{9})^{6} \cdot (\frac{1}{9})^{3}}{(\frac{1}{9})^{2} \cdot (\frac{1}{9})^{6}}$

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

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

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

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

$\frac{(\frac{2}{9})^{8} \cdot (\frac{2}{9})^{3} \cdot (\frac{2}{9})^{5}}{(\frac{2}{9})^{-6}}$

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

$\frac{(\frac{4}{9})^{6} \cdot (\frac{4}{9})^{-9} \cdot (\frac{4}{9})^{-5}}{(\frac{4}{9})^{-2}}$

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

$(\frac{3}{5})^{-5} \cdot (\frac{3}{5})^{6} \cdot (\frac{3}{5})^{11}$

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

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

$(\frac{1}{2}) \cdot (\frac{1}{2}) \cdot (\frac{1}{2})$