Simplifying Fraction Exponent Expressions (Multiplication)

Name: _____ Date: _____ Score: _____

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

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

$(\frac{4}{7})^{11} \cdot (\frac{4}{7})^{-9} \cdot (\frac{4}{7})^{-10} \cdot (\frac{4}{7})^{-9}$

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

$(\frac{1}{3})^{7} \cdot (\frac{1}{3})^{4} \cdot (\frac{1}{3})^{-9}$

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

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

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

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

$(\frac{1}{5})^{-10} \cdot (\frac{1}{5})^{-8}$

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

$(\frac{2}{3})^{11} \cdot (\frac{2}{3})^{-8}$

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

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

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