Simplifying Fraction Exponent Expressions (Multiplication)

Name: _____ Date: _____ Score: _____

$(\frac{1}{4})^{5} \cdot (\frac{1}{4})^{11} \cdot (\frac{1}{4})^{8}$

$(\frac{2}{5})^{8} \cdot (\frac{2}{5})^{-10} \cdot (\frac{2}{5})^{-6}$

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

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

$(\frac{1}{2})^{3} \cdot (\frac{1}{2})^{-9} \cdot (\frac{1}{2})^{5} \cdot (\frac{1}{2})^{-7}$

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

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

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

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

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

$(\frac{2}{3})^{5} \cdot (\frac{2}{3})^{-7} \cdot (\frac{2}{3})^{4} \cdot (\frac{2}{3})^{8}$

$(\frac{1}{9})^{-7} \cdot (\frac{1}{9})^{-5}$

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

$(\frac{3}{8}) \cdot (\frac{3}{8})$

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

Simplifying Fraction Exponent Expressions (Multiplication)

Name: _____ Date: _____ Score: _____

$(\frac{1}{4})^{5} \cdot (\frac{1}{4})^{11} \cdot (\frac{1}{4})^{8}$

$(\frac{1}{4})^{24}$

$(\frac{2}{5})^{8} \cdot (\frac{2}{5})^{-10} \cdot (\frac{2}{5})^{-6}$

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

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

$(\frac{1}{3})^{-18}$

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

$(\frac{2}{5})^{14}$

$(\frac{1}{2})^{3} \cdot (\frac{1}{2})^{-9} \cdot (\frac{1}{2})^{5} \cdot (\frac{1}{2})^{-7}$

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

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

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

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

$(\frac{3}{8})^{-13}$

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

$(\frac{1}{3})^{0}$

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

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

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

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

$(\frac{2}{3})^{5} \cdot (\frac{2}{3})^{-7} \cdot (\frac{2}{3})^{4} \cdot (\frac{2}{3})^{8}$

$(\frac{2}{3})^{10}$

$(\frac{1}{9})^{-7} \cdot (\frac{1}{9})^{-5}$

$(\frac{1}{9})^{-12}$

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

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

$(\frac{3}{8}) \cdot (\frac{3}{8})$

$(\frac{3}{8})^{2}$

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

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