Name : _____

Evaluating Exponents

Fractions: S2

Evaluate each expression.

1) $\left(-\frac{3}{5}\right)^{-2} + \left(\frac{4}{3}\right)^{3} \cdot \frac{3}{4}$

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

3) $\left(\frac{5}{3}\right)^{6} \div \left(\frac{6}{5}\right)^{-6}$

4) $\left(-\frac{4}{9}\right)^{7} \cdot \left(-\frac{2}{9}\right)^{-8}$

$\left(-\frac{1}{7}\right)^{7} \cdot \left(-\frac{7}{5}\right)^{9} \div \left(\frac{1}{5}\right)^{8}$

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

$\left(-\frac{1}{2}\right)^{-5} + \left(\frac{1}{4}\right)^{-4}$

10) $\left(\frac{1}{6}\right)^{-6} \div \left(\frac{6}{7}\right)^{7} \cdot \left(\frac{2}{7}\right)^{6}$

11) $\left(\frac{3}{8}\right)^{3} \div \left(\frac{1}{8}\right)^{2}$

12) $\left(\frac{5}{4}\right)^{2} + \left(-\frac{1}{2}\right)^{3}$