

Name _____

Solving Fractions With Exponents

Subtract the following exponents.

1) $\left(\frac{3}{4}\right) - \left(\frac{1}{2}\right)^2$ $\frac{1}{2}$	2) $\left(\frac{2}{3}\right)^3 - \left(\frac{1}{3}\right)^2$ $\frac{5}{27}$
3) $\left(\frac{2}{3}\right)^4 - \left(\frac{1}{9}\right)$ $\frac{7}{81}$	4) $\left(\frac{1}{4}\right)^2 - \left(\frac{1}{8}\right)^2$ $\frac{3}{64}$
5) $\left(\frac{3}{4}\right) - \left(\frac{-2}{3}\right)^{-3}$ $\frac{33}{8}$	6) $\left(\frac{5}{3}\right)^{-2} - \left(\frac{3}{5}\right)^3$ $\frac{18}{125}$
7) $\left(\frac{2}{3}\right)^2 - \left(\frac{-3}{5}\right)^{-2}$ $\frac{29}{9}$	8) $\left(\frac{3}{7}\right)^{-2} - \left(\frac{2}{3}\right)^{-3}$ $\frac{149}{72}$