Name _____

Reciprocal and Inverse of exponents

Find the reciprocal of exponents
and simplify the expression.

1) $\left(\frac{3}{4}\right)^{-2} = \frac{16}{9}$	2) $\left(\frac{5}{6}\right)^{-4} = \frac{1296}{625}$
3) $\left(\frac{7}{8}\right)^{-1} = \frac{8}{7}$	4) $\left(\frac{2}{5}\right)^{-3} = \frac{125}{8}$
5) $\left(\frac{4}{9}\right)^{-2} = \frac{81}{16}$	6) $\left(\frac{6}{7}\right)^{-3} = \frac{343}{216}$
7) $\left(\frac{9}{10}\right)^{-4} = \frac{10000}{6561}$	8) $\left(\frac{1}{2}\right)^{-2} = 4$
9) $\left(\frac{3}{2}\right)^{-3} = \frac{8}{27}$	10) $\left(\frac{5}{3}\right)^{-1} = \frac{3}{5}$