Name _____

Solving Fractions With Exponents

Express each of the following as a rational number.

1) $\left(\frac{2}{5}\right)^{4} \times \left(\frac{1}{5}\right)^{-2}$ _____	2) $\left(\frac{8}{5}\right)^{-2} \times \left(\frac{1}{8}\right)^{3}$ _____
3) $\left(\frac{4}{5}\right)^{3} \times \left(\frac{1}{2}\right)^{2}$ _____	4) $\left(\frac{3}{7}\right)^{3} \times \left(\frac{4}{7}\right)^{-3}$ _____
5) $\left(\frac{3}{5}\right)^{-4} \times \left(\frac{1}{5}\right)^{3}$ _____	6) $\left(\frac{1}{4}\right)^{-2} \times \left(\frac{3}{4}\right)^{2}$ _____
7) $\left(\frac{1}{5}\right)^{2} \times \left(\frac{5}{9}\right)^{2}$ _____	8) $\left(\frac{2}{4}\right)^{3} \times \left(\frac{1}{4}\right)^{-2}$ _____

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