

Name _____

Solving Fractions With Exponents

Express each of the following as a rational number.

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