

Name _____

Power of Quotient

Simplify the exponents. (Quotient of quotients)

1) $\left(\frac{\frac{a^3}{b}}{\frac{c}{d^2}}\right)^2$	2) $\left(\frac{\frac{3x^2}{y}}{\frac{2}{x^2}}\right)^3$	3) $\left(\frac{\frac{2p^3}{q}}{\frac{1}{p^2q^2}}\right)^2$
4) $\left(\frac{\frac{5a^2b}{c}}{\frac{2d}{e^2}}\right)^3$	5) $\left(\frac{\frac{x}{y}}{\frac{3}{2y^2}}\right)^2$	6) $\left(\frac{\frac{4ab^2}{c}}{\frac{2d}{e}}\right)^3$
7) $\left(\frac{\frac{2m}{3n}}{\frac{1}{4mn^2}}\right)^2$	8) $\left(\frac{\frac{2x^2}{y}}{\frac{z}{3x}}\right)^3$	9) $\left(\frac{\frac{3}{2q}}{\frac{b^2}{3}}\right)^2$
10) $\left(\frac{\frac{cd^2}{2}}{\frac{e^3}{f}}\right)^3$	11) $\left(\frac{\frac{xy^3}{z}}{\frac{4}{y}}\right)^2$	12) $\left(\frac{\frac{2p^2q}{r}}{\frac{1}{2p}}\right)^3$