

Name _____

Power of Quotient

Simplify the exponents. (Fractional Exponent)

1) $\left(\frac{2x^{1/2}}{3y^2}\right)^2$	2) $\left(\frac{5a^{3/2}b}{2cd^2}\right)^3$	3) $\left(\frac{3p^2}{q^{-1/2}}\right)^4$
4) $\left(\frac{4m^{3/2}n^2}{5p}\right)^2$	5) $\left(\frac{2x^{1/3}y^3}{3z}\right)^3$	6) $\left(\frac{ab^2}{3cd^{-1/2}}\right)^2$
7) $\left(\frac{3pq^2}{2r^{-1/3}s}\right)^4$	8) $\left(\frac{2xy^2}{3z^{1/2}}\right)^3$	9) $\left(\frac{5a^{3/2}}{b^{-1}}\right)^2$
10) $\left(\frac{3uv}{2w^{1/4}}\right)^3$	11) $\left(\frac{4x^{1/5}}{y}\right)^2$	12) $\left(\frac{2mn^2}{3p^{1/3}q}\right)^3$