

Name _____

Power of Quotient

Simplify the exponents. (Decimal Coefficients)

1) $\left(\frac{0.5a^2b}{3c}\right)^3$ $\frac{0.125a^6b^3}{27c^3}$	2) $\left(\frac{0.2xy^2}{5uv}\right)^2$ $\frac{0.04x^2y^4}{25u^2v^2}$	3) $\left(\frac{-0.3p^{-2}}{q^2}\right)^4$ $0.0081p^4q^8$
4) $\left(\frac{0.4mn^2}{5p}\right)^3$ $\frac{0.064m^3n^6}{125p^3}$	5) $\left(\frac{-0.2x}{y^3}\right)^2$ $\frac{0.04x^2}{y^6}$	6) $\left(\frac{0.1ab^2}{3c^2d^{-1}}\right)^3$ $\frac{0.001a^3b^6}{27c^6d}$
7) $\left(\frac{0.6pq^2}{2r^{-2}s}\right)^4$ $\frac{0.129p^4q^8}{4r^4s^4}$	8) $\left(\frac{-0.2xy^2}{3z}\right)^3$ $\frac{-0.008x^3y^6}{27z^3}$	9) $\left(\frac{0.5a^3b^2}{2cd}\right)^2$ $\frac{0.125a^6b^4}{4c^2d^2}$
10) $\left(\frac{0.4ab^2}{5cde^{-2}}\right)^3$ $\frac{0.064a^3b^6}{125c^3d^3e^3}$	11) $\left(\frac{0.3u^2v}{2wxyz}\right)^2$ $\frac{0.09u^2v^2}{4w^2x^2y^2z^2}$	12) $\left(\frac{0.2m^3n^2}{3pqr}\right)^3$ $\frac{0.008m^9n^6}{27p^3q^3r^3}$