Name _____

Power of Quotient

Simplify the exponents. (Negative Coefficient)

1) $\left(\frac{-2x^3}{3y}\right)^2$ $\frac{4x^6}{9y^2}$	2) $\left(\frac{-4a^2b}{5c}\right)^3$ $\frac{-64a^6b^3}{125c^3}$	3) $\left(\frac{-3p^2}{q^{-2}}\right)^4$ $81p^8q^8$
4) $\left(\frac{-5m^3n^2}{2p}\right)^2$ $\frac{25m^6n^4}{4p^2}$	5) $\left(\frac{-2x}{y^3}\right)^3$ $\frac{-8x^3}{y^9}$	6) $\left(\frac{-ab^2}{3cd}\right)^2$ $\frac{a^2b^4}{9c^2d^2}$
7) $\left(\frac{-3pq}{2r^2}\right)^4$ $\frac{81p^4q^4}{16r^8}$	8) $\left(\frac{-2xy^2}{3z}\right)^3$ $\frac{-8x^3y^6}{27z^3}$	9) $\left(\frac{-5a^3b^2}{2cd}\right)^2$ $\frac{25a^6b^4}{4c^2d^2}$
10) $\left(\frac{-4ab^2}{5cde}\right)^3$ $\frac{-64a^3b^6}{125c^3d^3e^3}$	11) $\left(\frac{-3u^2v}{2wxyz}\right)^2$ $\frac{9u^2v^2}{4w^2x^2y^2z^2}$	12) $\left(\frac{-2m^3n^2}{3pqr}\right)^3$ $\frac{-8m^9n^6}{27p^3q^3r^3}$