

Name : _____ Score : _____

Teacher : _____ Date : _____

Powers of Quotients

Simplify the exponents.

1) $\left(\frac{5d^2}{8d^4}\right)^3$

7) $\left(\frac{6^4}{6}\right)^3$

2) $\left(\frac{c}{c^2}\right)^3$

8) $\left(\frac{3^3}{3^4}\right)^2$

3) $\left(\frac{5g^2b^4}{4g^2b^3}\right)^3$

9) $\left(\frac{k^2}{k^4}\right)^3$

4) $\left(\frac{7r}{2r^2}\right)^2$

10) $\left(\frac{8r^3g^2}{2rg^4}\right)^2$

5) $\left(\frac{8dg^2}{3d^4g^4}\right)^3$

11) $\left(\frac{sb}{7s^2b^4}\right)^2$

6) $\left(\frac{8w^3}{3w^2k^4}\right)^2$

12) $\left(\frac{7w^2}{8w}\right)^2$

