

Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

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

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

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)  $\left(\frac{sb}{7s^3b^2}\right)^2$

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

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

