

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

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

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

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

## Powers of Quotients

Simplify the exponents.

1)  $\left(\frac{r^4}{r^5}\right)^3$

7)  $\left(\frac{9n^5k^4}{6n^6k^3}\right)^2$

2)  $\left(\frac{7z^6}{8z}\right)^2$

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

3)  $\left(\frac{7w^2}{9w^4g^6}\right)^2$

9)  $\left(\frac{8g^6}{4g^2}\right)^2$

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

10)  $\left(\frac{3^3}{3^6}\right)^2$

5)  $\left(\frac{3n^2w^6}{8nw^3}\right)^3$

11)  $\left(\frac{8ck^6}{4c^4k^5}\right)^2$

6)  $\left(\frac{by}{5b^5y^3}\right)^3$

12)  $\left(\frac{g}{g^4}\right)^3$

