

Powers of Quotients Worksheet 1

Name: _____ Date: _____

Directions: Solve for the following exponents.

1. $\left(\frac{2n^3}{3n^4}\right)^2$

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

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

8. $\left(\frac{10^7}{10^8}\right)^4$

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

9. $\left(\frac{4h^6}{5h^4}\right)^2$

4. $\left(\frac{6r^5}{3r^2}\right)^2$

10. $\left(\frac{m^9}{m}\right)^3$

5. $\left(\frac{w^8}{w^4}\right)^3$

11. $\left(\frac{7p^4}{8p^2}\right)^3$

6. $\left(\frac{5^3}{5^6}\right)^4$

12. $\left(\frac{12k}{6k^4}\right)^2$

