Name_____ Date_____

Power of a Quotient

Simplify each quotient.

1. $(1 \div 4)^4 = 1 \quad \div 4$

2. $(2 \div 5)^3$

3. $(5 \div 3)^2$

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

5. $\left(\frac{10}{4}\right)^3$

6. $(5^2 \div 3^1)^3$

7. $(3^2 \div 2^3)^3$

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

9. $(2^2 \div 3^5)^0$

10. $((-8)^1 \div (-2)^1)^4$

11. $(3^2 \div 3^1)^2$

12. $-(2^5 \div 2^2)^0$

13. $(5^5 \div 2^3)^4$

14. $\left(\frac{a}{b}\right)^n$

What do you notice? What do you wonder?

Do you have any conjectures?