Name_____ Date_____

Quotient of Powers

Write each quotient as a power.

1. $3^4 \div 3^1 = 3$

2. $2^4 \div 2^4$

3. $\dfrac{(-6)^3}{(-6)^3}$

4. $4^3 \div 4^2$

5. $10^{12} \div 10^6$

6. $(-3)^5 \div (-3)^5$

7. $\dfrac{(-6)^3}{(-6)^2}$

8. $\dfrac{(4)^3}{(4^1)}$

9. $(-2)^6 \div (-2)^5$

10. $8^3 \div 8$

11. $10^{11} \div 10^6$

12. $a^m \div a^n$

What do you notice? What do you wonder?

Do you have any conjectures?