Name_____ Date_____

Number
Unit 2 Line Master 2

Product of Powers

Write each product as a power.

1. $5^2 \times 5^3 = 5$

2. $3^4 \cdot 3^2$

3. $(4^2)(4)$

4. $8^6 \cdot 8^{15}$

5. $(-2)^0 \times (-2)^5$

6. $(-6)^3 \cdot (-6)^2$

7. $(-1)^3(-1)^8$

8. $x^6 \cdot x^5$

9. $a^m \cdot a^n$

What do you notice? What do you wonder?

Do you have any conjectures?