

Name _____ Date _____

**Number
Unit 2 Line Master 3**

Power of a Power

Write as a single power.

1. $(5^3)^2 = 5$

2. $(2^3)^4$

3. $(3^4)^6$

4. $(1^3)^{13}$

5. $(15^9)^0$

6. $(-4^3)^5$

7. $(2^3)^3(2^9)$

8. $(2^3 \times 2^9)^2$

9. $(2y^4)^7$

10. $(a^m)^n$

What do you notice? What do you wonder?

Do you have any conjectures?