

Name _____ Period _____

Those Silly Parentheses

1. $4 \cdot 2^3 =$

13. $2x^2$ (when $x=3$) =

2. $(4 \cdot 2)^3 =$

14. $(2x)^2$ (when $x=3$) =

3. $3a^3$ (when $a=-2$) =

15. $2x^2$ (when $x=-3$) =

4. $(3a)^3$ (when $a=-2$) =

16. $(2x)^2$ (when $x=-3$) =

5. $5^3 =$

17. Explain why:

6. $-5^3 =$

$$3a^2 \neq (3a)^2$$

7. $(-5)^3 =$

8. $-(5^3) =$

9. $-2^4 \cdot -3^2 =$

18. Explain why:

10. $(-2)^4 \cdot (-3)^2 =$

$$-a^2 \neq (-a)^2$$

11. $-4^3 \cdot 3^3 =$

12. $(-4 \cdot 3)^3 =$