Name: Due Date: Teacher: Parent Sign:

Questions (50)

1. Evaluate $(-3)^4$.

2. Evaluate -3^4 (no parentheses).

3. Evaluate $(-5)^1$.

4. Evaluate $(-5)^0$.

5. Evaluate 5^0.

6. Evaluate $(-1)^7$.

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

8. Evaluate 1^{12}.

9. Evaluate $(-2)^3$.

10. Evaluate $(-2)^4$.

11. Without calculating the full number, what is the sign (positive or negative) of $(-7)^{11}$?

12. Without calculating the full number, what is the sign of $(-7)^{12}$?

13. Which is larger: $(-4)^3$ or -4^3? Explain by giving their values.

14. Evaluate $(-6)^2 + (-6)^3$.

15. Evaluate $(-2)^5 \div (-2)^2$.

16. Evaluate $(-3)^0 + 0^3$.

17. Simplify $(-2)^4 \times (-2)^3$.

18. Simplify $(-10)^1 \times (-10)^0$.

19. If a $= (-3)^2$ and b $= (-3)^3$, which is greater, a or b?

20. Evaluate $(-4)^1 + (-4)^0$.

21. Determine the sign of the product $(-1)^5 \times (-1)^6$.

22. A pattern: Write the next number in the sign pattern for powers of -1: $(-1)^1 = $ -1, $(-1)^2 = 1$, $(-1)^3 = $ -1, ... What is $(-1)^{10}$?

23. Evaluate $(-8)^2$ - $(-8)^1$.

24. Evaluate $-(-2)^4$ (the outer minus is separate).

25. Evaluate $(-0)^5$.