

Assignment 2: Order of Operations

Name _____

Use grouping symbols and order of operations to simplify the following expressions:

1. $21 + (4 + 10)$

9. $[6 + (4 \cdot 2)] + [(7 \cdot 3) - 4]$

2. $16 + (4 \times 10)$

10. $\{(3 \cdot 2) + 4\} + 5 \cdot 2$

3. $20(3 + 7)$

11. $\{(2 \cdot 3) + (7 \cdot 4)\} + 2 \cdot [(8 - 6) - (4 - 3)]$

4. $\frac{36 - 6}{12 + 3}$

12. $3\{5 + [(2 + 7) + 11]\}$

5. $\frac{11 + 9}{2 \times 5}$

13. $[(16 - 4) \div (3 \times 2)] \div 3$

6. $[7 + (4 \cdot 2)] \times 2$

14. $6 + [12 - (4 \times 2)]$

7. $[16 - (2 \cdot 3)] \times 3$

15. $[8 + (2 \times 1)] \times 0$

8. $[(7 \cdot 4) - (3 \cdot 6)] \div 2$

16. $[40 \div (4 \times 5)] \div 2$

17. $64 - 5 \cdot 1 + 4 \div 8 + 5$

$$18. 48 + 3 \cdot 4 - 9 \cdot 2 \div 6$$

$$19. 3^3 + (2 \times 5)^2$$

$$20. \frac{6^2 - 3^2}{6 - 3}$$

$$21. \left[\frac{12 + 8}{9 \times 6} - \frac{1}{54} \right] - \frac{2}{6}$$

$$22. (4 - 1)^2 + (12 - 3)^2 + (5 - 2)^3$$

$$23. 6(5 - 3)^2$$

$$24. 5[5 - (0 \times 3)]$$

$$25. 4 \times 3 + 4 \times 5 \div 4 - 1$$