

Assignment: T1-02 Order of Operation

Date _____ Period _____

Simplify completely (You must show at least two steps on each problem. Problems with an expression with a fraction bar must show two steps each for the top and bottom).

1. $3 \cdot 4 + 2 \cdot 3$

2. $3 + 4 \cdot 2$

3. $2 \cdot 4 \div (2 \cdot 2) - 1$

4. $-2 + 8 - \frac{10}{-5}$

5. $2^3 + 3 \cdot 2 + 1$

6. $13 + [2(9 - 6)]$

7. $5 + [4 \cdot 3(2 + 1)]$

8. $21 \div 3 + (2 \cdot 5 + 4^2)$

9. $\frac{(6 - 3)^2 + 2}{5(2 - 1)}$

10. $\frac{12 \div 2 \cdot 3}{20 - 10 - 4}$

11. $12 \div 2 \cdot 2 - 1$

12. $\frac{9 + 3 - 5}{2 \cdot 3 + 8}$

$$13. 4 + [(6 - 2)3] + \frac{12}{3}$$

$$14. 12 \div 3 \cdot 2 - 4$$

$$15. 8 - 4(5 - 3) + 3$$

$$16. \frac{(9 - 5)2 - 3 + 7}{20 \div 5 \cdot 2 - 3}$$

$$17. 4(5 - 2)^2 + 4^2 \div 2$$

$$18. \frac{(7 - 5) + 8 \div 2^3}{18 \div 3 + 3}$$

$$19. 3 + 2(4 + 3)$$

$$20. 4 - 3(5 - 4)^2 + 2$$

$$21. \frac{(7 - 5) + 8 \cdot 2}{18 \div 3 + 3}$$