Name: _____

Order of Operations with Nested Parenthesis

Directions: Solve.

1. $3 + [(5^2 - 18) - 7] =$ _____

2. $[28 - (12 + 3^2)] \times 2 =$ _____

3. $10^2 - [(6^2 - 25) + 2] + 6 =$ _____

4. $[(11 - 7)^2 - 9] + 7 =$ _____

5. $3 + \{[(2 + 5)^2 - 8] \times 2^2\} =$ _____

6. $72 - [(8^2 \div 4) + 4^2] \times 2 =$ _____

7. $5 + [10^2 - (9 + 7^2)] - 8 =$ _____

8. $[8^2 - (4^2 + 21)] \times 2 =$ _____

9. $8 + [6^2 \div (5^2 - 22)] \times 4 =$ _____

10. $11^2 + [6 \times (13 - 10)^2] - 13 =$ _____

11. $2 \times [12^2 - (9 - 6)^2 + 3] - 6 =$ _____

12. $78 - [(3^2 + 2) - (18 \div 3^2)] =$ _____

ANSWER KEY

1. $3 + [(5^2 - 18) - 7] =$ **3**

2. $[28 - (12 + 3^2)] \times 2 =$ **14**

3. $10^2 - [(6^2 - 25) + 2] + 6 =$ **93**

4. $[(11 - 7)^2 - 9] + 7 =$ **14**

5. $3 + \{[(2 + 5)^2 - 8] \times 2^2\} =$ **167**

6. $72 - [(8^2 \div 4) + 4^2] \times 2 =$ **8**

7. $5 + [10^2 - (9 + 7^2)] - 8 =$ **39**

8. $[8^2 - (4^2 + 21)] \times 2 =$ **54**

9. $8 + [6^2 \div (5^2 - 22)] \times 4 =$ **56**

10. $11^2 + [6 \times (13 - 10)^2] - 13 =$ **162**

11. $2 \times [12^2 - (9 - 6)^2 + 3] - 6 =$ **264**

12. $78 - [(3^2 + 2) - (18 \div 3^2)] =$ **69**