

Name: \_\_\_\_\_



## Order of Operations with Nested Parenthesis



Directions: Solve.

1.  $27 - [(3^2 + 3) \times 2] =$  \_\_\_\_\_

7.  $[12^2 \div (3 \times 2)^2] + 9 =$  \_\_\_\_\_

2.  $65 - [3^2 \times (21 - 14)] =$  \_\_\_\_\_

8.  $9^2 - [3 \times (6^2 - 30)] \times 3 =$  \_\_\_\_\_

3.  $2 \times [(13 - 3^2) \times 3] + 5 =$  \_\_\_\_\_

9.  $8^2 - [54 - (5^2 + 9)] \times 2 =$  \_\_\_\_\_

4.  $[(4^2 - 11)^2 \times 4] \div 10 =$  \_\_\_\_\_

10.  $4^2 + [2^2 \times (13 - 4)^2] - 7 =$  \_\_\_\_\_

5.  $5 + [(8 + 2)^2 - (7 + 5 - 6)^2] =$  \_\_\_\_\_

11.  $11^2 - [72 - (4^2 - 9)^2 + 1] \times 3 =$  \_\_\_\_\_

6.  $[(9^2 \div 3 - 4^2)] \times 2 =$  \_\_\_\_\_

12.  $[(17 - 8)^2 - (23 + 3^2)] \div 7^2 =$  \_\_\_\_\_

## ANSWER KEY

1.  $27 - [(3^2 + 3) \times 2] = 3$

7.  $[12^2 \div (3 \times 2)^2] + 9 = 13$

2.  $65 - [3^2 \times (21 - 14)] = 2$

8.  $9^2 - [3 \times (6^2 - 30)] \times 3 = 27$

3.  $2 \times [(13 - 3^2) \times 3] + 5 = 29$

9.  $8^2 - [54 - (5^2 + 9)] \times 2 = 24$

4.  $[(4^2 - 11)^2 \times 4] \div 10 = 10$

10.  $4^2 + [2^2 \times (13 - 4)^2] - 7 = 333$

5.  $5 + [(8 + 2)^2 - (7 + 5 - 6)^2] = 69$

11.  $11^2 - [72 - (4^2 - 9)^2 + 1] \times 3 = 49$

6.  $[(9^2 \div 3 - 4^2)] \times 2 = 22$

12.  $[(17 - 8)^2 - (23 + 3^2)] \div 7^2 = 1$