

# Complex Order of Operations Worksheet

## Title: Complex Order of Operations Worksheet

### Instructions:

- Solve these problems step by step using the correct order of operations (PEMDAS/BODMAS).
- Be careful with nested parentheses and multiple operations.

### Section 1: Simplify

1.  $8+(3\times[2+(6\div 2)]) =$  \_\_\_\_\_
2.  $((12\div 3)+4)\times(6-2) =$  \_\_\_\_\_
3.  $[(52-20)+4]\div 2 =$  \_\_\_\_\_
4.  $10-[(6\div 3)2+(8\times 2)] =$  \_\_\_\_\_

### Section 2: Advanced Practice

1.  $(23+4)\times[(9\div 3)-2] =$  \_\_\_\_\_
2.  $[100\div(25-20)]+[(42-6)\times 3]$  \_\_\_\_\_
3.  $[100\div(25-20)]+[(42-6)\times 3] =$  \_\_\_\_\_
4.  $10\div[(8-6)2+(5\times 2)]-1 =$  \_\_\_\_\_

### Section 3: Mixed Expressions

- Create your own expressions with nested brackets and test your knowledge.