

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

Date: \_\_\_\_\_

## Order of Operations – PEMDAS

Evaluate problems in the following order :

- 1) P - Parentheses
- 2) E - Exponents (Powers and Square Roots)
- 3) MD - Multiplication and Division (Left to Right)
- 4) AS - Addition and Subtraction (Left to Right)

Solve each expression by following the order of operations rules.

1.  $(12 \div 3) \times 10 \div 2 + (5 \times 6)$

2.  $3^2 + (2 + 12 \times 2) - 16 \div 4$

3.  $4(15 \div 3) + (6 \times 3) - 2^2$

4.  $9^2 \times 2 - 20$

5.  $13 \times 2 + 25 - 3 + 15 - 3$

6.  $(10 - 7) + (2 \times 12 \div 4)$

7.  $64 - 8 + 12 \times 2 + 9$

8.  $12^2 - 23 + (9 \times 3)$

9.  $4^3 - 3^3$

10.  $19 + 5 - 4 \times 6 + 8$

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

Date: \_\_\_\_\_

## Order of Operations: PEMDAS

Solve each expression by following the order of operations rules.

1.  $(12 \div 3) \times 10 \div 2 + (5 \times 6) = 50$       2.  $3^2 + (2 + 12 \times 2) - 16 \div 4 = 31$

3.  $4 (15 \div 3) + (6 \times 3) - 2^2 = 34$       4.  $9^2 \times 2 - 20 = 142$

5.  $13 \times 2 + 25 - 3 + 15 - 3 = 60$       6.  $(10 - 7) + (2 \times 12 \div 4) = 9$

7.  $64 - 8 + 12 \times 2 + 9 = 89$       8.  $12^2 - 23 + (9 \times 3) = 148$

9.  $4^3 - 3^3 = 37$       10.  $19 + 5 - 4 \times 6 + 8 = 8$