

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $14 + (5 + (6 + 4)^2) - 9$

6) $9 + (9 + (11 - 6)^2) + 8$

2) $((14 + 3) - (14 \div 2)^2) \times 3^2$

7) $(4^2 + (15 \div 3 + 4^2)) - 4^2$

3) $((9 - 2) - (18 \div 9)^2) + 7^2$

8) $(24 \div 3)^2 + ((18 + 6) + 5^2)$

4) $(4^2 + (12 \div 4 + 2^2)) - 5^2$

9) $((3 + 2)^2 \times 2) - 8 + 7^2$

5) $((9 - 6)^2 \times 2) + 12 + 8^2$

10) $(8 \div 4)^2 + ((14 + 2) + 4^2)$



Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

$$\begin{aligned}
 1) \quad & 14 + (5 + (6 + 4)^2) - 9 \\
 & 14 + (5 + 10^2) - 9 \\
 & 14 + (5 + 100) - 9 \\
 & 14 + 105 - 9 \\
 & \qquad \qquad \qquad 110
 \end{aligned}$$

$$\begin{aligned}
 6) \quad & 9 + (9 + (11 - 6)^2) + 8 \\
 & 9 + (9 + 5^2) + 8 \\
 & 9 + (9 + 25) + 8 \\
 & 9 + 34 + 8 \\
 & \qquad \qquad \qquad 51
 \end{aligned}$$

$$\begin{aligned}
 2) \quad & ((14 + 3) - (14 \div 2)^2) \times 3^2 \\
 & (17 - (7)^2) \times 3^2 \\
 & (17 - 49) \times 3^2 \\
 & \quad -32 \quad \times 3^2 \\
 & \quad -32 \quad \times 9 \\
 & \qquad \qquad -288
 \end{aligned}$$

$$\begin{aligned}
 7) \quad & (4^2 + (15 \div 3 + 4^2)) - 4^2 \\
 & (4^2 + (15 \div 3 + 16)) - 4^2 \\
 & (4^2 + (5 + 16)) - 4^2 \\
 & (16 + 21) - 16 \\
 & \quad 37 \quad - 16 \\
 & \qquad \qquad 21
 \end{aligned}$$

$$\begin{aligned}
 3) \quad & ((9 - 2) - (18 \div 9)^2) + 7^2 \\
 & (7 - (2)^2) + 7^2 \\
 & (7 - 4) + 7^2 \\
 & \quad 3 \quad + 7^2 \\
 & \quad 3 \quad + 49 \\
 & \qquad \qquad 52
 \end{aligned}$$

$$\begin{aligned}
 8) \quad & (24 \div 3)^2 + ((18 + 6) + 5^2) \\
 & (8)^2 + (24 + 5^2) \\
 & 64 + (24 + 25) \\
 & 64 + 49 \\
 & \qquad \qquad 113
 \end{aligned}$$

$$\begin{aligned}
 4) \quad & (4^2 + (12 \div 4 + 2^2)) - 5^2 \\
 & (4^2 + (12 \div 4 + 4)) - 5^2 \\
 & (4^2 + (3 + 4)) - 5^2 \\
 & (16 + 7) - 25 \\
 & \quad 23 \quad - 25 \\
 & \qquad \qquad -2
 \end{aligned}$$

$$\begin{aligned}
 9) \quad & ((3 + 2)^2 \times 2) - 8 + 7^2 \\
 & (5^2 \times 2) - 8 + 49 \\
 & (25 \times 2) - 8 + 49 \\
 & \quad 50 \quad - 8 + 49 \\
 & \qquad \qquad 91
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & ((9 - 6)^2 \times 2) + 12 + 8^2 \\
 & (3^2 \times 2) + 12 + 64 \\
 & (9 \times 2) + 12 + 64 \\
 & \quad 18 \quad + 12 + 64 \\
 & \qquad \qquad 94
 \end{aligned}$$

$$\begin{aligned}
 10) \quad & (8 \div 4)^2 + ((14 + 2) + 4^2) \\
 & (2)^2 + (16 + 4^2) \\
 & 4 + (16 + 16) \\
 & 4 + 32 \\
 & \qquad \qquad 36
 \end{aligned}$$

