

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $11 + (3 + (3 + 4)^2) - 7$

6) $((9 - 2)^2 + 4) - 9 - 3^2$

2) $((11 + 7) + (20 \div 4)^2) + 5^2$

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

3) $(12 \div 2)^2 + ((12 + 7) + 3^2)$

8) $(15 \div 3)^2 + ((9 + 6) \times 6^2)$

4) $((9 - 5)^2 + 5) + 8 - 3^2$

9) $(6^2 + (24 \div 8 + 2^2)) - 4^2$

5) $9 + (7 + (6 + 4)^2) - 3$

10) $((16 + 2) - (8 \div 2)^2) + 5^2$



Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

$$\begin{aligned}
 1) \quad & 11 + (3 + (3 + 4)^2) - 7 \\
 & 11 + (3 + 7^2) - 7 \\
 & 11 + (3 + 49) - 7 \\
 & 11 + 52 - 7 \\
 & \qquad \qquad \qquad 56
 \end{aligned}$$

$$\begin{aligned}
 6) \quad & ((9 - 2)^2 + 4) - 9 - 3^2 \\
 & (7^2 + 4) - 9 - 9 \\
 & (49 + 4) - 9 - 9 \\
 & \qquad \qquad 53 - 9 - 9 \\
 & \qquad \qquad \qquad \qquad \qquad 35
 \end{aligned}$$

$$\begin{aligned}
 2) \quad & ((11 + 7) + (20 \div 4)^2) + 5^2 \\
 & (18 + (5)^2) + 5^2 \\
 & (18 + 25) + 5^2 \\
 & \qquad \qquad 43 + 5^2 \\
 & \qquad \qquad 43 + 25 \\
 & \qquad \qquad \qquad \qquad 68
 \end{aligned}$$

$$\begin{aligned}
 7) \quad & (4^2 + (15 \div 3 + 4^2)) + 3^2 \\
 & (4^2 + (15 \div 3 + 16)) + 3^2 \\
 & (4^2 + (5 + 16)) + 3^2 \\
 & (16 + 21) + 9 \\
 & \qquad \qquad 37 + 9 \\
 & \qquad \qquad \qquad \qquad 46
 \end{aligned}$$

$$\begin{aligned}
 3) \quad & (12 \div 2)^2 + ((12 + 7) + 3^2) \\
 & (6)^2 + (19 + 3^2) \\
 & 36 + (19 + 9) \\
 & 36 + 28 \\
 & \qquad \qquad \qquad 64
 \end{aligned}$$

$$\begin{aligned}
 8) \quad & (15 \div 3)^2 + ((9 + 6) \times 6^2) \\
 & (5)^2 + (15 \times 6^2) \\
 & 25 + (15 \times 36) \\
 & 25 + 540 \\
 & \qquad \qquad \qquad 565
 \end{aligned}$$

$$\begin{aligned}
 4) \quad & ((9 - 5)^2 + 5) + 8 - 3^2 \\
 & (4^2 + 5) + 8 - 9 \\
 & (16 + 5) + 8 - 9 \\
 & \qquad \qquad 21 + 8 - 9 \\
 & \qquad \qquad \qquad \qquad 20
 \end{aligned}$$

$$\begin{aligned}
 9) \quad & (6^2 + (24 \div 8 + 2^2)) - 4^2 \\
 & (6^2 + (24 \div 8 + 4)) - 4^2 \\
 & (6^2 + (3 + 4)) - 4^2 \\
 & (36 + 7) - 16 \\
 & \qquad \qquad 43 - 16 \\
 & \qquad \qquad \qquad \qquad 27
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & 9 + (7 + (6 + 4)^2) - 3 \\
 & 9 + (7 + 10^2) - 3 \\
 & 9 + (7 + 100) - 3 \\
 & 9 + 107 - 3 \\
 & \qquad \qquad \qquad 113
 \end{aligned}$$

$$\begin{aligned}
 10) \quad & ((16 + 2) - (8 \div 2)^2) + 5^2 \\
 & (18 - (4)^2) + 5^2 \\
 & (18 - 16) + 5^2 \\
 & \qquad \qquad 2 + 5^2 \\
 & \qquad \qquad 2 + 25 \\
 & \qquad \qquad \qquad \qquad 27
 \end{aligned}$$

