

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $(14 + 35 - 5^2) + (11 - 7)$

6) $(12 + 48 - 6^2) + (-4 + 6)$

2) $(3 + 2)^2 + (8 + 8 + 4)$

7) $(13 - 3)^2 + (12 + 14 - 2)$

3) $(14 + 28 - 2) - 2 - 7^2$

8) $(15 - 8) \times (13 - 6) - 3^2$

4) $(8 + 44 - 4) - 6 + 4^2$

9) $4 \times (10 \times 4 + 4^2) + 7$

5) $3 \times (10 \times 7 + 7^2) + 6$

10) $(10 - 3) \times (13 + 4) - 9^2$



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Order of Operations

$$\begin{array}{rcl}
 1) & (14 + 35 - 5^2) + (11 - 7) & \\
 & (14 + 35 - 25) + (11 - 7) & \\
 & (49 - 25) + 4 & \\
 & 24 + 4 & \\
 & 28 &
 \end{array}$$

$$\begin{array}{rcl}
 6) & (12 + 48 - 6^2) + (-4 + 6) & \\
 & (12 + 48 - 36) + (-4 + 6) & \\
 & (60 - 36) + 2 & \\
 & 24 + 2 & \\
 & 26 &
 \end{array}$$

$$\begin{array}{rcl}
 2) & (3 + 2)^2 + (8 + 8 + 4) & \\
 & (5)^2 + (8 + 12) & \\
 & 25 + 20 & \\
 & 45 &
 \end{array}$$

$$\begin{array}{rcl}
 7) & (13 - 3)^2 + (12 + 14 - 2) & \\
 & (10)^2 + (12 + 12) & \\
 & 100 + 24 & \\
 & 124 &
 \end{array}$$

$$\begin{array}{rcl}
 3) & (14 + 28 - 2) - 2 - 7^2 & \\
 & (14 + 28 - 2) - 2 - 49 & \\
 & (42 - 2) - 2 - 49 & \\
 & 40 - 2 - 49 & \\
 & 38 - 49 & \\
 & -11 &
 \end{array}$$

$$\begin{array}{rcl}
 8) & (15 - 8) \times (13 - 6) - 3^2 & \\
 & (15 - 8) \times (13 - 6) - 9 & \\
 & 7 \times 7 - 9 & \\
 & 49 - 9 & \\
 & 40 &
 \end{array}$$

$$\begin{array}{rcl}
 4) & (8 + 44 - 4) - 6 + 4^2 & \\
 & (8 + 44 - 4) - 6 + 16 & \\
 & (52 - 4) - 6 + 16 & \\
 & 48 - 6 + 16 & \\
 & 42 + 16 & \\
 & 58 &
 \end{array}$$

$$\begin{array}{rcl}
 9) & 4 \times (10 \times 4 + 4^2) + 7 & \\
 & 4 \times (10 \times 4 + 16) + 7 & \\
 & 4 \times (40 + 16) + 7 & \\
 & 4 \times 56 + 7 & \\
 & 224 + 7 & \\
 & 231 &
 \end{array}$$

$$\begin{array}{rcl}
 5) & 3 \times (10 \times 7 + 7^2) + 6 & \\
 & 3 \times (10 \times 7 + 49) + 6 & \\
 & 3 \times (70 + 49) + 6 & \\
 & 3 \times 119 + 6 & \\
 & 357 + 6 & \\
 & 363 &
 \end{array}$$

$$\begin{array}{rcl}
 10) & (10 - 3) \times (13 + 4) - 9^2 & \\
 & (10 - 3) \times (13 + 4) - 81 & \\
 & 7 \times 17 - 81 & \\
 & 119 - 81 & \\
 & 38 &
 \end{array}$$

