

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(4 - 3) \times (5 + 7 - 9) \times 10$$

$$8 + 6 \times 4 - 2 \times (10 - 9)$$

$$5 \times (6 + 9 - 7 + 3 - 10)$$

$$8 \times 2 - 7 + 5 \times (10 - 3)$$

$$(6 - 5) \times (4 + 3) \times (9 - 2)$$

$$(10 + 7) \times (8 - 4 + 5 - 9)$$

$$(8 - 2) \times (10 + 6 - 9 + 5)$$

$$(9 - 3 + 10) \times 2 + 4 - 8$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (4 - 3) \times (5 + 7 - 9) \times 10 \\ & = 1 \times (5 + 7 - 9) \times 10 \\ & = 1 \times (12 - 9) \times 10 \\ & = 1 \times 3 \times 10 \\ & = 3 \times 10 \\ & = 30 \end{aligned}$$

$$\begin{aligned} & 8 + 6 \times 4 - 2 \times (10 - 9) \\ & = 8 + 6 \times 4 - 2 \times 1 \\ & = 8 + 24 - 2 \times 1 \\ & = 8 + 24 - 2 \\ & = 32 - 2 \\ & = 30 \end{aligned}$$

$$\begin{aligned} & 5 \times (6 + 9 - 7 + 3 - 10) \\ & = 5 \times (15 - 7 + 3 - 10) \\ & = 5 \times (8 + 3 - 10) \\ & = 5 \times (11 - 10) \\ & = 5 \times 1 \\ & = 5 \end{aligned}$$

$$\begin{aligned} & 8 \times 2 - 7 + 5 \times (10 - 3) \\ & = 8 \times 2 - 7 + 5 \times 7 \\ & = 16 - 7 + 5 \times 7 \\ & = 16 - 7 + 35 \\ & = 9 + 35 \\ & = 44 \end{aligned}$$

$$\begin{aligned} & (6 - 5) \times (4 + 3) \times (9 - 2) \\ & = 1 \times (4 + 3) \times (9 - 2) \\ & = 1 \times 7 \times (9 - 2) \\ & = 1 \times 7 \times 7 \\ & = 7 \times 7 \\ & = 49 \end{aligned}$$

$$\begin{aligned} & (10 + 7) \times (8 - 4 + 5 - 9) \\ & = 17 \times (8 - 4 + 5 - 9) \\ & = 17 \times (4 + 5 - 9) \\ & = 17 \times (9 - 9) \\ & = 17 \times 0 \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (8 - 2) \times (10 + 6 - 9 + 5) \\ & = 6 \times (10 + 6 - 9 + 5) \\ & = 6 \times (16 - 9 + 5) \\ & = 6 \times (7 + 5) \\ & = 6 \times 12 \\ & = 72 \end{aligned}$$

$$\begin{aligned} & (9 - 3 + 10) \times 2 + 4 - 8 \\ & = (6 + 10) \times 2 + 4 - 8 \\ & = 16 \times 2 + 4 - 8 \\ & = 32 + 4 - 8 \\ & = 36 - 8 \\ & = 28 \end{aligned}$$