

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$2 - (-6) + 8 \times (-4) \div 4 \times ((-9) + 5)$$

$$(10 + 6) \div 8 - (-5) \times (-10) - 3 + (-9)$$

$$10 \times (2 + 4) \div (-6) - (-8) + (-10) \div 5$$

Order of Operations (J) Answers

Name: _____

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & 2 - (-6) + 8 \times (-4) \div 4 \times \underline{((-9) + 5)} \\ & = 2 - (-6) + \underline{8 \times (-4)} \div 4 \times (-4) \\ & = 2 - (-6) + \underline{(-32) \div 4} \times (-4) \\ & = 2 - (-6) + \underline{(-8) \times (-4)} \\ & = \underline{2 - (-6)} + 32 \\ & = \underline{8 + 32} \\ & = 40 \end{aligned}$$

$$\begin{aligned} & \underline{(10 + 6)} \div 8 - (-5) \times (-10) - 3 + (-9) \\ & = \underline{16 \div 8} - (-5) \times (-10) - 3 + (-9) \\ & = 2 - \underline{(-5) \times (-10)} - 3 + (-9) \\ & = \underline{2 - 50} - 3 + (-9) \\ & = \underline{(-48) - 3} + (-9) \\ & = \underline{(-51) + (-9)} \\ & = -60 \end{aligned}$$

$$\begin{aligned} & 10 \times \underline{(2 + 4)} \div (-6) - (-8) + (-10) \div 5 \\ & = \underline{10 \times 6} \div (-6) - (-8) + (-10) \div 5 \\ & = \underline{60 \div (-6)} - (-8) + (-10) \div 5 \\ & = (-10) - (-8) + \underline{(-10) \div 5} \\ & = \underline{(-10) - (-8)} + (-2) \\ & = \underline{(-2) + (-2)} \\ & = -4 \end{aligned}$$