

Order of Operations (D)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

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

$$(10 \div (8 - (-2))) \times ((-3) + (-9) - 6) \times (-4)$$

Order of Operations (D) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned}& \left(10 \div \left(\underline{(-4) - (-6)} \right) \right) \times (-8) + (-2) \times (8 - (-10)) \\&= \underline{(10 \div 2)} \times (-8) + (-2) \times (8 - (-10)) \\&= 5 \times (-8) + (-2) \times \underline{(8 - (-10))} \\&= \underline{5 \times (-8)} + (-2) \times 18 \\&= (-40) + \underline{(-2) \times 18} \\&= \underline{(-40) + (-36)} \\&= -76\end{aligned}$$

$$\begin{aligned}& \underline{(9 - 4)} \times (-2) + (-6) \div 6 - (-9) \times 8 \\&= \underline{5 \times (-2)} + (-6) \div 6 - (-9) \times 8 \\&= (-10) + \underline{(-6) \div 6} - (-9) \times 8 \\&= (-10) + (-1) - \underline{(-9) \times 8} \\&= \underline{(-10) + (-1)} - (-72) \\&= \underline{(-11) - (-72)} \\&= 61\end{aligned}$$

$$\begin{aligned}& \left(10 \div \left(\underline{8 - (-2)} \right) \right) \times ((-3) + (-9) - 6) \times (-4) \\&= \underline{(10 \div 10)} \times ((-3) + (-9) - 6) \times (-4) \\&= 1 \times \left(\underline{(-3) + (-9)} - 6 \right) \times (-4) \\&= 1 \times \left(\underline{(-12) - 6} \right) \times (-4) \\&= \underline{1 \times (-18)} \times (-4) \\&= \underline{(-18) \times (-4)} \\&= 72\end{aligned}$$