Order of Operations (D)

Name: _____ Date: _____

Simplify 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: _____

Simplify each expression using the correct order of operations.

$\left(10 \div \left(\underline{(-4) - (-6)}\right)\right) \times (-8) + (-2) \times (8 - (-10))$

$= \left(\underline{10 \div 2}\right) \times (-8) + (-2) \times (8 - (-10))$

$= 5 \times (-8) + (-2) \times \left(\underline{8 - (-10)}\right)$

$= \underline{5 \times (-8)} + (-2) \times 18$

$= (-40) + \underline{(-2) \times 18}$

$= \underline{(-40) + (-36)}$

$= -76$

$\left(\underline{9 - 4}\right) \times (-2) + (-6) \div 6 - (-9) \times 8$

$= \underline{5 \times (-2)} + (-6) \div 6 - (-9) \times 8$

$= (-10) + \underline{(-6) \div 6} - (-9) \times 8$

$= (-10) + (-1) - \underline{(-9) \times 8}$

$= \underline{(-10) + (-1)} - (-72)$

$= \underline{(-11) - (-72)}$

$= 61$

$\left(10 \div \left(\underline{8 - (-2)}\right)\right) \times ((-3) + (-9) - 6) \times (-4)$

$= \left(\underline{10 \div 10}\right) \times ((-3) + (-9) - 6) \times (-4)$

$= 1 \times \left(\underline{(-3) + (-9)} - 6\right) \times (-4)$

$= 1 \times \left(\underline{(-12) - 6}\right) \times (-4)$

$= \underline{1 \times (-18)} \times (-4)$

$= \underline{(-18) \times (-4)}$

$= 72$