Order of Operations (C)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(5 \div ((-3) - (-4))) \times ((-10) + (-8) + (-2) - (-9))$

$(-7) - 7 + 9 \times 8 \div (-6) \times ((-3) - 5)$

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

Order of Operations (C) Answers

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(5 \div \left(\underline{(-3) - (-4)}\right)\right) \times ((-10) + (-8) + (-2) - (-9))$
$= (\underline{5 \div 1}) \times ((-10) + (-8) + (-2) - (-9))$
$= 5 \times \left(\underline{(-10) + (-8)} + (-2) - (-9)\right)$
$= 5 \times \left(\underline{(-18) + (-2)} - (-9)\right)$
$= 5 \times \left(\underline{(-20) - (-9)}\right)$
$= \underline{5 \times (-11)}$
$= -55$

$(-7) - 7 + 9 \times 8 \div (-6) \times \left(\underline{(-3) - 5}\right)$
$= (-7) - 7 + \underline{9 \times 8} \div (-6) \times (-8)$
$= (-7) - 7 + \underline{72 \div (-6)} \times (-8)$
$= (-7) - 7 + \underline{(-12) \times (-8)}$
$= \underline{(-7) - 7} + 96$
$= \underline{(-14) + 96}$
$= 82$

$(-5) \times \left(\underline{(-9) + 3}\right) \div (-6) - 6 \times (-2) \div 4$
$= \underline{(-5) \times (-6)} \div (-6) - 6 \times (-2) \div 4$
$= \underline{30 \div (-6)} - 6 \times (-2) \div 4$
$= (-5) - \underline{6 \times (-2)} \div 4$
$= (-5) - \underline{(-12) \div 4}$
$= \underline{(-5) - (-3)}$
$= -2$