Order of Operations (F)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

$((-10) \times (-4)) \div 2 + (-6) - (-7) + 9 - 6$

Order of Operations (F) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

$= \left(5 \times \left(\underline{(-11) - 4}\right)\right) \div ((-6) - (-5) + 6)$

$= \left(\underline{5 \times (-15)}\right) \div ((-6) - (-5) + 6)$

$= (-75) \div \left(\underline{(-6) - (-5)} + 6\right)$

$= (-75) \div \left(\underline{(-1) + 6}\right)$

$= \underline{(-75) \div 5}$

$= -15$

$\left(\underline{(-9) \times 6}\right) \div 3 - (-8) + 10 + 5 - (-6)$

$= \underline{(-54) \div 3} - (-8) + 10 + 5 - (-6)$

$= \underline{(-18) - (-8)} + 10 + 5 - (-6)$

$= \underline{(-10) + 10} + 5 - (-6)$

$= \underline{0 + 5} - (-6)$

$= \underline{5 - (-6)}$

$= 11$

$\left(\underline{(-10) \times (-4)}\right) \div 2 + (-6) - (-7) + 9 - 6$

$= \underline{40 \div 2} + (-6) - (-7) + 9 - 6$

$= \underline{20 + (-6)} - (-7) + 9 - 6$

$= \underline{14 - (-7)} + 9 - 6$

$= \underline{21 + 9} - 6$

$= \underline{30 - 6}$

$= 24$