Order of Operations (E)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$9 + (-3) - 8 \times 7 \div ((-6) + 10 - (-4))$

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

$9 \times 4 \div (-9) + 10 - (-3) \div ((-8) - (-7))$

Order of Operations (E) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$9 + (-3) - 8 \times 7 \div \left((-6) + 10 - (-4)\right)$

$= 9 + (-3) - 8 \times 7 \div \left(4 - (-4)\right)$

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

$= 9 + (-3) - 56 \div 8$

$= 9 + (-3) - 7$

$= 6 - 7$

$= -1$

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

$= \left(5 \times \left((-3) - (-5)\right)\right) \div 2 - 8 + (-8)$

$= (5 \times 2) \div 2 - 8 + (-8)$

$= 10 \div 2 - 8 + (-8)$

$= 5 - 8 + (-8)$

$= (-3) + (-8)$

$= -11$

$9 \times 4 \div (-9) + 10 - (-3) \div \left((-8) - (-7)\right)$

$= 9 \times 4 \div (-9) + 10 - (-3) \div (-1)$

$= 36 \div (-9) + 10 - (-3) \div (-1)$

$= (-4) + 10 - (-3) \div (-1)$

$= (-4) + 10 - 3$

$= 6 - 3$

$= 3$