Order of Operations (A)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(2^2 + (-9)\right) \div ((-10) - (-5)) \times (-2)$

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

$(-7) \times \left((-8) - (-6) + 8 \div (-2)^3\right)$

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

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

$((-10) + 2 - (-7)) \times \left((-3)^2 \div 9\right)$

Order of Operations (A) Answers

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(2^2 + (-9)) \div ((-10) - (-5)) \times (-2)$
$= (4 + (-9)) \div ((-10) - (-5)) \times (-2)$
$= (-5) \div ((-10) - (-5)) \times (-2)$
$= (-5) \div (-5) \times (-2)$
$= 1 \times (-2)$
$= -2$

$(-3)^2 \div 3 \times (5 - 10 + (-8))$
$= (-3)^2 \div 3 \times ((-5) + (-8))$
$= (-3)^2 \div 3 \times (-13)$
$= 9 \div 3 \times (-13)$
$= 3 \times (-13)$
$= -39$

$(-7) \times ((-8) - (-6) + 8 \div (-2)^3)$
$= (-7) \times ((-8) - (-6) + 8 \div (-8))$
$= (-7) \times ((-8) - (-6) + (-1))$
$= (-7) \times ((-2) + (-1))$
$= (-7) \times (-3)$
$= 21$

$(((9 - (-6)) \div (-5) + 5) \times 2^3$
$= ((15 \div (-5) + 5) \times 2^3$
$= ((-3) + 5) \times 2^3$
$= 2 \times 2^3$
$= 2 \times 8$
$= 16$

$(4 \div (2 - (-3) + (-9))) \times (-10)^2$
$= (4 \div (5 + (-9))) \times (-10)^2$
$= (4 \div (-4)) \times (-10)^2$
$= (-1) \times (-10)^2$
$= (-1) \times 100$
$= -100$

$((-10) + 2 - (-7)) \times ((-3)^2 \div 9)$
$= ((-8) - (-7)) \times ((-3)^2 \div 9)$
$= (-1) \times ((-3)^2 \div 9)$
$= (-1) \times (9 \div 9)$
$= (-1) \times 1$
$= -1$