

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(10 \div (-5)) \times (-2) - 2 + (-7) - (-9)$$

$$((-8) + 4) \div (2 - 3) \times (-3) + 6$$

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

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

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

$$((6 + 2) \div 4) \times (-8) - (-10) + 7$$

Order of Operations (F) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 \div (-5)) \times (-2) - 2 + (-7) - (-9) \\ &= (-2) \times (-2) - 2 + (-7) - (-9) \\ &= 4 - 2 + (-7) - (-9) \\ &= 2 + (-7) - (-9) \\ &= (-5) - (-9) \\ &= 4 \end{aligned}$$

$$\begin{aligned} & (((-8) + 4) \div (2 - 3)) \times (-3) + 6 \\ &= ((-4) \div (2 - 3)) \times (-3) + 6 \\ &= ((-4) \div (-1)) \times (-3) + 6 \\ &= 4 \times (-3) + 6 \\ &= (-12) + 6 \\ &= -6 \end{aligned}$$

$$\begin{aligned} & 2 + 5 - 4 \times (-5) \div ((-4) - (-3)) \\ &= 2 + 5 - 4 \times (-5) \div (-1) \\ &= 2 + 5 - (-20) \div (-1) \\ &= 2 + 5 - 20 \\ &= 7 - 20 \\ &= -13 \end{aligned}$$

$$\begin{aligned} & (6 \times 3) \div 9 - (-4) + 2 \times (-5) \\ &= 18 \div 9 - (-4) + 2 \times (-5) \\ &= 2 - (-4) + 2 \times (-5) \\ &= 2 - (-4) + (-10) \\ &= 6 + (-10) \\ &= -4 \end{aligned}$$

$$\begin{aligned} & (-2) \times (((-6) + (-5) - 2) \div (9 + 4)) \\ &= (-2) \times (((-11) - 2) \div (9 + 4)) \\ &= (-2) \times ((-13) \div (9 + 4)) \\ &= (-2) \times ((-13) \div 13) \\ &= (-2) \times (-1) \\ &= 2 \end{aligned}$$

$$\begin{aligned} & ((6 + 2) \div 4) \times (-8) - (-10) + 7 \\ &= (8 \div 4) \times (-8) - (-10) + 7 \\ &= 2 \times (-8) - (-10) + 7 \\ &= (-16) - (-10) + 7 \\ &= (-6) + 7 \\ &= 1 \end{aligned}$$