

# Order of Operations (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

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

$$3 \times (-10) \div ((-7) - 5 + 7)$$

$$((-5) + 7 - (-9) \div 3) \times (-2)$$

$$((-5) \times (-7) - (-8) + (-3)) \div 2$$

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

$$(5 \times (-7) - (-4)) \div (8 + (-9))$$

# Order of Operations (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left( \frac{-8}{-4} \right) \times (-3) - 7 + 6 \\ & = 2 \times (-3) - 7 + 6 \\ & = (-6) - 7 + 6 \\ & = (-13) + 6 \\ & = -7 \end{aligned}$$

$$\begin{aligned} & 3 - (-6) + 8 \times \left( \frac{9}{-9} \right) \\ & = 3 - (-6) + 8 \times (-1) \\ & = 3 - (-6) + (-8) \\ & = 9 + (-8) \\ & = 1 \end{aligned}$$

$$\begin{aligned} & (-6) \div \left( (-8) + 6 - \frac{-4}{2} \right) \\ & = (-6) \div \left( (-8) + 6 - (-2) \right) \\ & = (-6) \div \left( (-2) - (-8) \right) \\ & = \frac{-6}{6} \\ & = -1 \end{aligned}$$

$$\begin{aligned} & 3 \times (-10) \div \left( \frac{-7}{-5} + 7 \right) \\ & = 3 \times (-10) \div \left( \frac{-12}{-5} + 7 \right) \\ & = \frac{3 \times (-10)}{-5} \div (-5) \\ & = \frac{-30}{-5} \div (-5) \\ & = 6 \end{aligned}$$

$$\begin{aligned} & \left( (-5) + 7 - \frac{-9}{3} \right) \times (-2) \\ & = \left( (-5) + 7 - (-3) \right) \times (-2) \\ & = \left( 2 - (-3) \right) \times (-2) \\ & = 5 \times (-2) \\ & = -10 \end{aligned}$$

$$\begin{aligned} & \left( \frac{-5}{-7} - (-8) + (-3) \right) \div 2 \\ & = \left( \frac{35}{-7} + (-8) + (-3) \right) \div 2 \\ & = \left( -5 + (-8) + (-3) \right) \div 2 \\ & = -16 \div 2 \\ & = -8 \end{aligned}$$

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

$$\begin{aligned} & \left( 5 \times (-7) - (-4) \right) \div (8 + (-9)) \\ & = \left( (-35) - (-4) \right) \div (8 + (-9)) \\ & = (-31) \div (-1) \\ & = 31 \end{aligned}$$