

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$2^2 + (-4) \times 10$$

$$(5 + (-5))^3 \div (-10)$$

$$(-5)^2 - (-2) \times (-3)$$

$$(-2)^3 - (-4) \times (-10)$$

$$5 + 2^2 \times (-9)$$

$$10 \times (-10) + (-4)^2$$

$$5 \times (3^3 + (-10))$$

$$(-3)^2 \times (-2) - (-10)$$

$$(10 - (-4)^2) \div (-6)$$

$$2^3 + 5 \div (-5)$$

Order of Operations (F) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 2^2 + (-4) \times 10 \\ & = 4 + \underline{(-4) \times 10} \\ & = \underline{4 + (-40)} \\ & = -36 \end{aligned}$$

$$\begin{aligned} & (5 + (-5))^3 \div (-10) \\ & = \underline{0^3} \div (-10) \\ & = \underline{0 \div (-10)} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (-5)^2 - (-2) \times (-3) \\ & = 25 - \underline{(-2) \times (-3)} \\ & = \underline{25 - 6} \\ & = 19 \end{aligned}$$

$$\begin{aligned} & (-2)^3 - (-4) \times (-10) \\ & = (-8) - \underline{(-4) \times (-10)} \\ & = \underline{(-8) - 40} \\ & = -48 \end{aligned}$$

$$\begin{aligned} & 5 + 2^2 \times (-9) \\ & = 5 + \underline{4 \times (-9)} \\ & = \underline{5 + (-36)} \\ & = -31 \end{aligned}$$

$$\begin{aligned} & 10 \times (-10) + (-4)^2 \\ & = \underline{10 \times (-10)} + 16 \\ & = \underline{(-100) + 16} \\ & = -84 \end{aligned}$$

$$\begin{aligned} & 5 \times (3^3 + (-10)) \\ & = 5 \times \underline{(27 + (-10))} \\ & = \underline{5 \times 17} \\ & = 85 \end{aligned}$$

$$\begin{aligned} & (-3)^2 \times (-2) - (-10) \\ & = \underline{9 \times (-2)} - (-10) \\ & = \underline{(-18) - (-10)} \\ & = -8 \end{aligned}$$

$$\begin{aligned} & (10 - (-4)^2) \div (-6) \\ & = \underline{(10 - 16)} \div (-6) \\ & = \underline{(-6) \div (-6)} \\ & = 1 \end{aligned}$$

$$\begin{aligned} & 2^3 + 5 \div (-5) \\ & = 8 + \underline{5 \div (-5)} \\ & = \underline{8 + (-1)} \\ & = 7 \end{aligned}$$