

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$2 \times (-7)^2 + (-8) - (-2)$$

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

$$9 \times 7 - 3 + 6^2$$

$$9 \times 2 - 8^2 \div (-2)$$

$$(-6)^2 + 9 \div 3 - (-10)$$

$$((-3)^2 - 6) \div 3 \times (-10)$$

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

$$(-5) \times (-10) - 9^2 + 3$$

$$(-6) - (-7)^2 \div 7 \times 5$$

Order of Operations (F) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 8 \times (5 - (-2)^3 + (-10)) \\ &= 8 \times (5 - (-8) + (-10)) \\ &= 8 \times (13 + (-10)) \\ &= 8 \times 3 \\ &= 24 \end{aligned}$$

$$\begin{aligned} & 2 \times 10 - (-4)^3 + (-9) \\ &= 2 \times 10 - (-64) + (-9) \\ &= 20 - (-64) + (-9) \\ &= 84 + (-9) \\ &= 75 \end{aligned}$$

$$\begin{aligned} & 9 \times 2 - 8^2 \div (-2) \\ &= 9 \times 2 - 64 \div (-2) \\ &= 18 - 64 \div (-2) \\ &= 18 - (-32) \\ &= 50 \end{aligned}$$

$$\begin{aligned} & ((-3)^2 - 6) \div 3 \times (-10) \\ &= (9 - 6) \div 3 \times (-10) \\ &= 3 \div 3 \times (-10) \\ &= 1 \times (-10) \\ &= -10 \end{aligned}$$

$$\begin{aligned} & (-5) \times (-10) - 9^2 + 3 \\ &= (-5) \times (-10) - 81 + 3 \\ &= 50 - 81 + 3 \\ &= (-31) + 3 \\ &= -28 \end{aligned}$$

$$\begin{aligned} & 2 \times (-7)^2 + (-8) - (-2) \\ &= 2 \times 49 + (-8) - (-2) \\ &= 98 + (-8) - (-2) \\ &= 90 - (-2) \\ &= 92 \end{aligned}$$

$$\begin{aligned} & 9 \times 7 - 3 + 6^2 \\ &= 9 \times 7 - 3 + 36 \\ &= 63 - 3 + 36 \\ &= 60 + 36 \\ &= 96 \end{aligned}$$

$$\begin{aligned} & (-6)^2 + 9 \div 3 - (-10) \\ &= 36 + 9 \div 3 - (-10) \\ &= 36 + 3 - (-10) \\ &= 39 - (-10) \\ &= 49 \end{aligned}$$

$$\begin{aligned} & (-9) + (-5) - (-7) \times 2^3 \\ &= (-9) + (-5) - (-7) \times 8 \\ &= (-9) + (-5) - (-56) \\ &= (-14) - (-56) \\ &= 42 \end{aligned}$$

$$\begin{aligned} & (-6) - (-7)^2 \div 7 \times 5 \\ &= (-6) - 49 \div 7 \times 5 \\ &= (-6) - 7 \times 5 \\ &= (-6) - 35 \\ &= -41 \end{aligned}$$