

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

$$(-7) \times (-4) + 6^2 \div (-9)$$

$$(-4)^3 + (-2) \times (-9) - (-7)$$

$$7 - 9 + 5 \times 4^2$$

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

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

$$5 \times 4^2 + (-9) - (-4)$$

$$(8 - (-6) + (-10)) \times (-2)^2$$

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

Order of Operations (I) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 5 \times (-2)^3 \div (-8) + 2 \\ & = 5 \times (-8) \div (-8) + 2 \\ & = (-40) \div (-8) + 2 \\ & = 5 + 2 \\ & = 7 \end{aligned}$$

$$\begin{aligned} & (-7) \times (-4) + 6^2 \div (-9) \\ & = (-7) \times (-4) + 36 \div (-9) \\ & = 28 + 36 \div (-9) \\ & = 28 + (-4) \\ & = 24 \end{aligned}$$

$$\begin{aligned} & 7 - 9 + 5 \times 4^2 \\ & = 7 - 9 + 5 \times 16 \\ & = 7 - 9 + 80 \\ & = (-2) + 80 \\ & = 78 \end{aligned}$$

$$\begin{aligned} & ((-2) + 3) \times (-6) - 5^2 \\ & = 1 \times (-6) - 5^2 \\ & = 1 \times (-6) - 25 \\ & = (-6) - 25 \\ & = -31 \end{aligned}$$

$$\begin{aligned} & (8 - (-6) + (-10)) \times (-2)^2 \\ & = (14 + (-10)) \times (-2)^2 \\ & = 4 \times (-2)^2 \\ & = 4 \times 4 \\ & = 16 \end{aligned}$$

$$\begin{aligned} & (-3)^3 - (-9) \times 9 + 5 \\ & = (-27) - (-9) \times 9 + 5 \\ & = (-27) - (-81) + 5 \\ & = 54 + 5 \\ & = 59 \end{aligned}$$

$$\begin{aligned} & (-4)^3 + (-2) \times (-9) - (-7) \\ & = (-64) + (-2) \times (-9) - (-7) \\ & = (-64) + 18 - (-7) \\ & = (-46) - (-7) \\ & = -39 \end{aligned}$$

$$\begin{aligned} & 2 \times ((-9) - (-2)^2 + 9) \\ & = 2 \times ((-9) - 4 + 9) \\ & = 2 \times ((-13) + 9) \\ & = 2 \times (-4) \\ & = -8 \end{aligned}$$

$$\begin{aligned} & 5 \times 4^2 + (-9) - (-4) \\ & = 5 \times 16 + (-9) - (-4) \\ & = 80 + (-9) - (-4) \\ & = 71 - (-4) \\ & = 75 \end{aligned}$$

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