

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$7 - (-8)^2 \div 4 \times (-4)$$

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

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

$$2 \times (-10) - 6^2 \div 9$$

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

$$((-8) \div 2^3) \times (-6) - 7$$

$$8 - (-2)^2 + (-10) \times (-9)$$

$$(-2)^2 \div 4 - 9 \times 8$$

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

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

Order of Operations (G) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}7 - \underline{(-8)^2} \div 4 \times (-4) \\&= 7 - \underline{64 \div 4} \times (-4) \\&= 7 - \underline{16 \times (-4)} \\&= \underline{7 - (-64)} \\&= 71\end{aligned}$$

$$\begin{aligned}7 + \underline{(-7)^2} \times (-2) - 3 \\&= 7 + \underline{49 \times (-2)} - 3 \\&= \underline{7 + (-98)} - 3 \\&= \underline{(-91) - 3} \\&= -94\end{aligned}$$

$$\begin{aligned}6 - 7 \times \underline{3^2} + 2 \\&= 6 - \underline{7 \times 9} + 2 \\&= \underline{6 - 63} + 2 \\&= \underline{(-57) + 2} \\&= -55\end{aligned}$$

$$\begin{aligned}8 - \underline{(-2)^2} + (-10) \times (-9) \\&= 8 - 4 + \underline{(-10) \times (-9)} \\&= \underline{8 - 4} + 90 \\&= \underline{4 + 90} \\&= 94\end{aligned}$$

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

$$\begin{aligned}3 \div (-3) + \underline{(-2)^2} - 6 \\&= \underline{3 \div (-3)} + 4 - 6 \\&= \underline{(-1) + 4} - 6 \\&= \underline{3 - 6} \\&= -3\end{aligned}$$

$$\begin{aligned}2 \times (-10) - \underline{6^2} \div 9 \\&= \underline{2 \times (-10)} - 36 \div 9 \\&= (-20) - \underline{36 \div 9} \\&= \underline{(-20) - 4} \\&= -24\end{aligned}$$

$$\begin{aligned}((-8) \div \underline{2^3}) \times (-6) - 7 \\&= \underline{((-8) \div 8)} \times (-6) - 7 \\&= \underline{(-1) \times (-6)} - 7 \\&= \underline{6 - 7} \\&= -1\end{aligned}$$

$$\begin{aligned}\underline{(-2)^2} \div 4 - 9 \times 8 \\&= \underline{4 \div 4} - 9 \times 8 \\&= 1 - \underline{9 \times 8} \\&= \underline{1 - 72} \\&= -71\end{aligned}$$

$$\begin{aligned}\underline{(-4)^3} - (-7) + 7 \times 2 \\&= \underline{(-64) - (-7) + 7} \times 2 \\&= \underline{(-57) + 7} \times 2 \\&= \underline{(-50) \times 2} \\&= -100\end{aligned}$$