

# Order of Operations (G)

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

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

Simplify each expression using the correct order of operations.

$$4^2 - (-10) \times 5$$

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

$$((-9) + 7^2) \div 10$$

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

$$8^2 \div (6 - 4)$$

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

$$(10 - 7)^2 \times (-2)$$

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

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

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

# Order of Operations (G) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 4^2 - (-10) \times 5 \\ & = 16 - \underline{(-10) \times 5} \\ & = \underline{16 - (-50)} \\ & = 66 \end{aligned}$$

$$\begin{aligned} & (-2) \times (-4) + 9^2 \\ & = \underline{(-2) \times (-4)} + 81 \\ & = \underline{8 + 81} \\ & = 89 \end{aligned}$$

$$\begin{aligned} & ((-9) + 7^2) \div 10 \\ & = \underline{((-9) + 49)} \div 10 \\ & = \underline{40 \div 10} \\ & = 4 \end{aligned}$$

$$\begin{aligned} & (-6)^2 \div \underline{((-9) - (-10))} \\ & = \underline{(-6)^2} \div 1 \\ & = \underline{36 \div 1} \\ & = 36 \end{aligned}$$

$$\begin{aligned} & 8^2 \div \underline{(6 - 4)} \\ & = \underline{8^2} \div 2 \\ & = \underline{64 \div 2} \\ & = 32 \end{aligned}$$

$$\begin{aligned} & 2 \times \underline{(-2)^2} + 9 \\ & = \underline{2 \times 4} + 9 \\ & = \underline{8 + 9} \\ & = 17 \end{aligned}$$

$$\begin{aligned} & \underline{(10 - 7)^2} \times (-2) \\ & = \underline{3^2} \times (-2) \\ & = \underline{9 \times (-2)} \\ & = -18 \end{aligned}$$

$$\begin{aligned} & \underline{(-2)^3} + 5 \times 10 \\ & = (-8) + \underline{5 \times 10} \\ & = \underline{(-8) + 50} \\ & = 42 \end{aligned}$$

$$\begin{aligned} & ((-7) + 7^2) \div 3 \\ & = \underline{((-7) + 49)} \div 3 \\ & = \underline{42 \div 3} \\ & = 14 \end{aligned}$$

$$\begin{aligned} & (-7)^2 \times \underline{(6 + (-4))} \\ & = \underline{(-7)^2} \times 2 \\ & = \underline{49 \times 2} \\ & = 98 \end{aligned}$$