

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

$$((-6) - (-4)) \times (-8) \div 4 + 9 + (-3)$$

$$(7 \div ((-5) + 6)) \times 8 - (-10) + 9$$

$$8 \div ((-5) - 3) \times ((-9) + (-4)) \times (-3)$$

$$(5 \times 10) \div (-2) - 8 + (-3) + 4$$

$$(4 \times 5) \div ((-8) - (-9) + 9) \times (-3)$$

$$((7 + (-8)) \div ((-3) - (-2))) \times 4 + (-9)$$

# Order of Operations (D) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left( \left( \underline{(-6) - (-4)} \right) \times (-8) \right) \div 4 + 9 + (-3) \\ & = \left( \underline{(-2) \times (-8)} \right) \div 4 + 9 + (-3) \\ & = \underline{16 \div 4} + 9 + (-3) \\ & = \underline{4 + 9} + (-3) \\ & = \underline{13 + (-3)} \\ & = 10 \end{aligned}$$

$$\begin{aligned} & \left( 7 \div \left( \underline{(-5) + 6} \right) \right) \times 8 - (-10) + 9 \\ & = \left( \underline{7 \div 1} \right) \times 8 - (-10) + 9 \\ & = \underline{7 \times 8} - (-10) + 9 \\ & = \underline{56 - (-10)} + 9 \\ & = \underline{66 + 9} \\ & = 75 \end{aligned}$$

$$\begin{aligned} & 8 \div \left( \underline{(-5) - 3} \right) \times ((-9) + (-4)) \times (-3) \\ & = 8 \div (-8) \times \left( \underline{(-9) + (-4)} \right) \times (-3) \\ & = \underline{8 \div (-8)} \times (-13) \times (-3) \\ & = \underline{(-1) \times (-13)} \times (-3) \\ & = \underline{13 \times (-3)} \\ & = -39 \end{aligned}$$

$$\begin{aligned} & \left( \underline{5 \times 10} \right) \div (-2) - 8 + (-3) + 4 \\ & = \underline{50 \div (-2)} - 8 + (-3) + 4 \\ & = \underline{(-25) - 8} + (-3) + 4 \\ & = \underline{(-33) + (-3)} + 4 \\ & = \underline{(-36) + 4} \\ & = -32 \end{aligned}$$

$$\begin{aligned} & \left( \underline{4 \times 5} \right) \div ((-8) - (-9) + 9) \times (-3) \\ & = 20 \div \left( \underline{(-8) - (-9) + 9} \right) \times (-3) \\ & = 20 \div \left( \underline{1 + 9} \right) \times (-3) \\ & = \underline{20 \div 10} \times (-3) \\ & = \underline{2 \times (-3)} \\ & = -6 \end{aligned}$$

$$\begin{aligned} & \left( \left( \underline{7 + (-8)} \right) \div ((-3) - (-2)) \right) \times 4 + (-9) \\ & = \left( (-1) \div \left( \underline{(-3) - (-2)} \right) \right) \times 4 + (-9) \\ & = \left( \underline{(-1) \div (-1)} \right) \times 4 + (-9) \\ & = \underline{1 \times 4} + (-9) \\ & = \underline{4 + (-9)} \\ & = -5 \end{aligned}$$