

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

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

$$(8 + 6^2) \div (-2) - (-7) \times 5$$

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

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

$$(5 + (-7)) \div (6 - (-2)^2) \times 8$$

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

# Order of Operations (D) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left( \underline{(-7) - (-6)} \right)^3 \times (7 + 2) \div (-3) \\ & = (-1)^3 \times \underline{(7 + 2)} \div (-3) \\ & = \underline{(-1)^3} \times 9 \div (-3) \\ & = \underline{(-1) \times 9} \div (-3) \\ & = \underline{(-9) \div (-3)} \\ & = 3 \end{aligned}$$

$$\begin{aligned} & (8 + \underline{6^2}) \div (-2) - (-7) \times 5 \\ & = \underline{(8 + 36)} \div (-2) - (-7) \times 5 \\ & = \underline{44 \div (-2)} - (-7) \times 5 \\ & = (-22) - \underline{(-7) \times 5} \\ & = \underline{(-22) - (-35)} \\ & = 13 \end{aligned}$$

$$\begin{aligned} & (3 \times \underline{2^3}) \div 6 - (-2) + 4 \\ & = \underline{(3 \times 8)} \div 6 - (-2) + 4 \\ & = \underline{24 \div 6} - (-2) + 4 \\ & = \underline{4 - (-2)} + 4 \\ & = \underline{6 + 4} \\ & = 10 \end{aligned}$$

$$\begin{aligned} & 3 \times \left( 7 + (-5) - \underline{9 \div (-9)} \right)^2 \\ & = 3 \times \left( \underline{7 + (-5)} - (-1) \right)^2 \\ & = 3 \times \left( \underline{2 - (-1)} \right)^2 \\ & = 3 \times \underline{3^2} \\ & = \underline{3 \times 9} \\ & = 27 \end{aligned}$$

$$\begin{aligned} & \left( \underline{5 + (-7)} \right) \div \left( 6 - (-2)^2 \right) \times 8 \\ & = (-2) \div \left( 6 - \underline{(-2)^2} \right) \times 8 \\ & = (-2) \div \underline{(6 - 4)} \times 8 \\ & = \underline{(-2) \div 2} \times 8 \\ & = \underline{(-1) \times 8} \\ & = -8 \end{aligned}$$

$$\begin{aligned} & 6 \times \left( 3 + (-10) \div 10 - \underline{(-2)^3} \right) \\ & = 6 \times \left( 3 + \underline{(-10) \div 10} - (-8) \right) \\ & = 6 \times \left( \underline{3 + (-1)} - (-8) \right) \\ & = 6 \times \left( \underline{2 - (-8)} \right) \\ & = \underline{6 \times 10} \\ & = 60 \end{aligned}$$