

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

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

$$((-7) + (-10) \div (-5) - (-4)) \times (-3)$$

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

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

$$(10 + (-10)) \div (-3) - 2 \times 7$$

$$10 \times ((6 + (-7) - (-3)) \div 2)$$

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

$$(-10) \times ((-5) - (-6) + 6 \div 2)$$

# Order of Operations (D) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 3 \times (9 \div (-9) - 4 + (-4)) \\ &= 3 \times ((-1) - 4 + (-4)) \\ &= 3 \times ((-5) + (-4)) \\ &= \underline{3 \times (-9)} \\ &= -27 \end{aligned}$$

$$\begin{aligned} & ((-7) + (-10) \div (-5) - (-4)) \times (-3) \\ &= ((-7) + 2 - (-4)) \times (-3) \\ &= ((-5) - (-4)) \times (-3) \\ &= \underline{(-1) \times (-3)} \\ &= 3 \end{aligned}$$

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

$$\begin{aligned} & (-6) \times (5 - 8) \div (-9) + 10 \\ &= \underline{(-6) \times (-3)} \div (-9) + 10 \\ &= \underline{18 \div (-9)} + 10 \\ &= \underline{(-2) + 10} \\ &= 8 \end{aligned}$$

$$\begin{aligned} & (10 + (-10)) \div (-3) - 2 \times 7 \\ &= \underline{0 \div (-3)} - 2 \times 7 \\ &= 0 - \underline{2 \times 7} \\ &= \underline{0 - 14} \\ &= -14 \end{aligned}$$

$$\begin{aligned} & 10 \times ((6 + (-7) - (-3)) \div 2) \\ &= 10 \times (((-1) - (-3)) \div 2) \\ &= 10 \times (\underline{2 \div 2}) \\ &= \underline{10 \times 1} \\ &= 10 \end{aligned}$$

$$\begin{aligned} & (4 \times (-10) + 8 - (-8)) \div (-2) \\ &= ((-40) + 8 - (-8)) \div (-2) \\ &= ((-32) - (-8)) \div (-2) \\ &= \underline{(-24) \div (-2)} \\ &= 12 \end{aligned}$$

$$\begin{aligned} & (-10) \times ((-5) - (-6) + 6 \div 2) \\ &= (-10) \times ((-5) - (-6) + 3) \\ &= (-10) \times (\underline{1 + 3}) \\ &= \underline{(-10) \times 4} \\ &= -40 \end{aligned}$$