

# Order of Operations (A)

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

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

Solve each expression using the correct order of operations.

$$(2^2 + (-9)) \div ((-10) - (-5)) \times (-2)$$

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

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

$$((9 - (-6)) \div (-5) + 5) \times 2^3$$

$$(4 \div (2 - (-3) + (-9))) \times (-10)^2$$

$$((-10) + 2 - (-7)) \times ((-3)^2 \div 9)$$

# Order of Operations (A) Answers

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & (2^2 + (-9)) \div ((-10) - (-5)) \times (-2) \\ & = (4 + (-9)) \div ((-10) - (-5)) \times (-2) \\ & = (-5) \div ((-10) - (-5)) \times (-2) \\ & = (-5) \div (-5) \times (-2) \\ & = 1 \times (-2) \\ & = -2 \end{aligned}$$

$$\begin{aligned} & (-3)^2 \div 3 \times (5 - 10 + (-8)) \\ & = (-3)^2 \div 3 \times ((-5) + (-8)) \\ & = (-3)^2 \div 3 \times (-13) \\ & = 9 \div 3 \times (-13) \\ & = 3 \times (-13) \\ & = -39 \end{aligned}$$

$$\begin{aligned} & (-7) \times ((-8) - (-6) + 8 \div (-2)^3) \\ & = (-7) \times ((-8) - (-6) + 8 \div (-8)) \\ & = (-7) \times ((-8) - (-6) + (-1)) \\ & = (-7) \times ((-2) + (-1)) \\ & = (-7) \times (-3) \\ & = 21 \end{aligned}$$

$$\begin{aligned} & ((9 - (-6)) \div (-5) + 5) \times 2^3 \\ & = (15 \div (-5) + 5) \times 2^3 \\ & = ((-3) + 5) \times 2^3 \\ & = 2 \times 2^3 \\ & = 2 \times 8 \\ & = 16 \end{aligned}$$

$$\begin{aligned} & (4 \div (2 - (-3) + (-9))) \times (-10)^2 \\ & = (4 \div (5 + (-9))) \times (-10)^2 \\ & = (4 \div (-4)) \times (-10)^2 \\ & = (-1) \times (-10)^2 \\ & = (-1) \times 100 \\ & = -100 \end{aligned}$$

$$\begin{aligned} & ((-10) + 2 - (-7)) \times ((-3)^2 \div 9) \\ & = ((-8) - (-7)) \times ((-3)^2 \div 9) \\ & = (-1) \times ((-3)^2 \div 9) \\ & = (-1) \times (9 \div 9) \\ & = (-1) \times 1 \\ & = -1 \end{aligned}$$