

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(-6) \times 9 - (-9) + (-10) \div (8 + (-3))$$

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

$$(7 + (-3) - 4) \div ((-7) \times (2 - (-6)))$$

$$(4 \times (-4)) \div (2 - (-10) + 9 + (-5))$$

$$7 \div ((-3) + 4) \times (-10) - (-8) + 10$$

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

Order of Operations (A) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-6) \times 9 - (-9) + (-10) \div (8 + (-3)) \\ & = \underline{(-6) \times 9} - (-9) + (-10) \div 5 \\ & = (-54) - (-9) + \underline{(-10) \div 5} \\ & = \underline{(-54) - (-9)} + (-2) \\ & = \underline{(-45) + (-2)} \\ & = -47 \end{aligned}$$

$$\begin{aligned} & 10 + 6 \div ((-7) - (-5)) \times ((-10) + 5) \\ & = 10 + 6 \div (-2) \times \underline{((-10) + 5)} \\ & = 10 + \underline{6 \div (-2)} \times (-5) \\ & = 10 + \underline{(-3) \times (-5)} \\ & = \underline{10 + 15} \\ & = 25 \end{aligned}$$

$$\begin{aligned} & (7 + (-3) - 4) \div ((-7) \times (2 - (-6))) \\ & = \underline{(4 - 4)} \div ((-7) \times (2 - (-6))) \\ & = 0 \div ((-7) \times \underline{(2 - (-6))}) \\ & = 0 \div \underline{((-7) \times 8)} \\ & = \underline{0 \div (-56)} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (4 \times (-4)) \div (2 - (-10) + 9 + (-5)) \\ & = (-16) \div \underline{(2 - (-10) + 9 + (-5))} \\ & = (-16) \div \underline{(12 + 9 + (-5))} \\ & = (-16) \div \underline{(21 + (-5))} \\ & = \underline{(-16) \div 16} \\ & = -1 \end{aligned}$$

$$\begin{aligned} & 7 \div ((-3) + 4) \times (-10) - (-8) + 10 \\ & = \underline{7 \div 1} \times (-10) - (-8) + 10 \\ & = \underline{7 \times (-10)} - (-8) + 10 \\ & = \underline{(-70) - (-8)} + 10 \\ & = \underline{(-62) + 10} \\ & = -52 \end{aligned}$$

$$\begin{aligned} & (-2) + (-4) - 8 \times (2 \div ((-10) \div 10)) \\ & = (-2) + (-4) - 8 \times \underline{(2 \div (-1))} \\ & = (-2) + (-4) - \underline{8 \times (-2)} \\ & = \underline{(-2) + (-4)} - (-16) \\ & = \underline{(-6) - (-16)} \\ & = 10 \end{aligned}$$