

Order of Operations (E)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$9 + (-3) - 8 \times 7 \div ((-6) + 10 - (-4))$$

$$(5 \times (6 + (-9) - (-5))) \div 2 - 8 + (-8)$$

$$9 \times 4 \div (-9) + 10 - (-3) \div ((-8) - (-7))$$

Order of Operations (E) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 9 + (-3) - 8 \times 7 \div \left(\underline{(-6) + 10} - (-4) \right) \\ & = 9 + (-3) - 8 \times 7 \div \left(\underline{4 - (-4)} \right) \\ & = 9 + (-3) - \underline{8 \times 7} \div 8 \\ & = 9 + (-3) - \underline{56 \div 8} \\ & = \underline{9 + (-3)} - 7 \\ & = \underline{6 - 7} \\ & = -1 \end{aligned}$$

$$\begin{aligned} & \left(5 \times \left(\underline{6 + (-9)} - (-5) \right) \right) \div 2 - 8 + (-8) \\ & = \left(5 \times \left(\underline{(-3) - (-5)} \right) \right) \div 2 - 8 + (-8) \\ & = \underline{5 \times 2} \div 2 - 8 + (-8) \\ & = \underline{10 \div 2} - 8 + (-8) \\ & = \underline{5 - 8} + (-8) \\ & = \underline{(-3) + (-8)} \\ & = -11 \end{aligned}$$

$$\begin{aligned} & 9 \times 4 \div (-9) + 10 - (-3) \div \left(\underline{(-8) - (-7)} \right) \\ & = \underline{9 \times 4} \div (-9) + 10 - (-3) \div (-1) \\ & = \underline{36 \div (-9)} + 10 - (-3) \div (-1) \\ & = (-4) + 10 - \underline{(-3) \div (-1)} \\ & = \underline{(-4) + 10} - 3 \\ & = \underline{6 - 3} \\ & = 3 \end{aligned}$$