

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

$$6 \times ((-2) - 4 \div 2 + (-5))$$

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

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

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

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

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

Order of Operations (I) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left(\underline{(-6) \times (-3)} \right) \div (-2) + (-4) - 6 \\ &= \underline{18 \div (-2)} + (-4) - 6 \\ &= \underline{(-9)} + (-4) - 6 \\ &= \underline{(-13)} - 6 \\ &= \underline{-19} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-9) - (-10)} + 3 \right) \times 6 \div (-3) \\ &= (\underline{1 + 3}) \times 6 \div (-3) \\ &= \underline{4 \times 6} \div (-3) \\ &= \underline{24 \div (-3)} \\ &= \underline{-8} \end{aligned}$$

$$\begin{aligned} & 6 \times \left((-2) - \underline{4 \div 2} + (-5) \right) \\ &= 6 \times \left(\underline{(-2) - 2} + (-5) \right) \\ &= 6 \times \left(\underline{(-4) + (-5)} \right) \\ &= \underline{6 \times (-9)} \\ &= \underline{-54} \end{aligned}$$

$$\begin{aligned} & 4 \times \left(9 + (-9) - \underline{5 \div (-5)} \right) \\ &= 4 \times \left(\underline{9 + (-9)} - (-1) \right) \\ &= 4 \times \left(\underline{0 - (-1)} \right) \\ &= \underline{4 \times 1} \\ &= \underline{4} \end{aligned}$$

$$\begin{aligned} & 3 \div \left(\underline{2 + (-3)} \right) \times (4 - (-7)) \\ &= 3 \div (-1) \times \left(\underline{4 - (-7)} \right) \\ &= \underline{3 \div (-1)} \times 11 \\ &= \underline{(-3) \times 11} \\ &= \underline{-33} \end{aligned}$$

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

$$\begin{aligned} & 10 + 7 \times \left(4 \div \left(\underline{(-3) - (-5)} \right) \right) \\ &= 10 + 7 \times \left(\underline{4 \div 2} \right) \\ &= 10 + \underline{7 \times 2} \\ &= \underline{10 + 14} \\ &= \underline{24} \end{aligned}$$

$$\begin{aligned} & (\underline{9 - 2} + (-9)) \times (8 \div (-2)) \\ &= (\underline{7 + (-9)}) \times (8 \div (-2)) \\ &= (-2) \times \left(\underline{8 \div (-2)} \right) \\ &= \underline{(-2) \times (-4)} \\ &= \underline{8} \end{aligned}$$