

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$10 \times (4 + (-9)) \div ((-5) - (-3))$$

$$9 \times (2 - 8 \div 4 + 6)$$

$$(-2) + 6 \times (4 - (-8)) \div (-3)$$

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

$$(3 - 6 \times 5) \div ((-10) + 7)$$

$$(-5) \div (10 + (-7) - (-2) \times (-4))$$

$$(((-4) + 10) \div 2) \times (-6) - 5$$

Order of Operations (B) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (6 \times (-4) - (-8)) \div (9 + 7) \\ &= ((-24) - (-8)) \div (9 + 7) \\ &= (-16) \div (9 + 7) \\ &= \underline{(-16) \div 16} \\ &= -1 \end{aligned}$$

$$\begin{aligned} & 10 \times (4 + (-9)) \div ((-5) - (-3)) \\ &= 10 \times (-5) \div ((-5) - (-3)) \\ &= \underline{10 \times (-5)} \div (-2) \\ &= \underline{(-50) \div (-2)} \\ &= 25 \end{aligned}$$

$$\begin{aligned} & 9 \times (2 - 8 \div 4 + 6) \\ &= 9 \times (2 - 2 + 6) \\ &= 9 \times (0 + 6) \\ &= \underline{9 \times 6} \\ &= 54 \end{aligned}$$

$$\begin{aligned} & (-2) + 6 \times (4 - (-8)) \div (-3) \\ &= (-2) + \underline{6 \times 12} \div (-3) \\ &= (-2) + \underline{72 \div (-3)} \\ &= \underline{(-2) + (-24)} \\ &= -26 \end{aligned}$$

$$\begin{aligned} & ((-10) - 3) \div (9 + (-8)) \times (-3) \\ &= (-13) \div (\underline{9 + (-8)}) \times (-3) \\ &= \underline{(-13) \div 1} \times (-3) \\ &= \underline{(-13) \times (-3)} \\ &= 39 \end{aligned}$$

$$\begin{aligned} & (3 - 6 \times 5) \div ((-10) + 7) \\ &= (\underline{3 - 30}) \div ((-10) + 7) \\ &= (-27) \div (\underline{(-10) + 7}) \\ &= \underline{(-27) \div (-3)} \\ &= 9 \end{aligned}$$

$$\begin{aligned} & (-5) \div (10 + (-7) - \underline{(-2) \times (-4)}) \\ &= (-5) \div (\underline{10 + (-7) - 8}) \\ &= (-5) \div (3 - 8) \\ &= \underline{(-5) \div (-5)} \\ &= 1 \end{aligned}$$

$$\begin{aligned} & ((\underline{(-4) + 10}) \div 2) \times (-6) - 5 \\ &= (\underline{6 \div 2}) \times (-6) - 5 \\ &= \underline{3 \times (-6)} - 5 \\ &= \underline{(-18) - 5} \\ &= -23 \end{aligned}$$