

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

$$(-7) - 5^2 + (-6) \times (-8)$$

$$(-7)^2 - 8 + 4 \div (-4)$$

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

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

$$(-3) - 3^2 \times 2 + 4$$

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

$$6 \times 3 - (-9) + 7^2$$

Order of Operations (D) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 9 \times ((-3) + 4 - \underline{(-2)^2}) \\ &= 9 \times (\underline{(-3) + 4} - 4) \\ &= 9 \times (\underline{1 - 4}) \\ &= \underline{9 \times (-3)} \\ &= \underline{-27} \end{aligned}$$

$$\begin{aligned} & \underline{2^2} \times (-10) - 5 + (-5) \\ &= \underline{4 \times (-10)} - 5 + (-5) \\ &= \underline{(-40) - 5} + (-5) \\ &= \underline{(-45) + (-5)} \\ &= \underline{-50} \end{aligned}$$

$$\begin{aligned} & \underline{(-7)^2} - 8 + 4 \div (-4) \\ &= 49 - 8 + \underline{4 \div (-4)} \\ &= \underline{49 - 8} + (-1) \\ &= \underline{41 + (-1)} \\ &= \underline{40} \end{aligned}$$

$$\begin{aligned} & (-2) + \underline{2^3} - 9 \times (-4) \\ &= (-2) + 8 - \underline{9 \times (-4)} \\ &= \underline{(-2) + 8} - (-36) \\ &= \underline{6 - (-36)} \\ &= \underline{42} \end{aligned}$$

$$\begin{aligned} & (-6) \times ((-5) + (-9) - \underline{(-2)^3}) \\ &= (-6) \times (\underline{(-5) + (-9)} - (-8)) \\ &= (-6) \times (\underline{(-14) - (-8)}) \\ &= \underline{(-6) \times (-6)} \\ &= \underline{36} \end{aligned}$$

$$\begin{aligned} & \underline{(-2)^2} \div (-4) + 4 \times 9 \\ &= \underline{4 \div (-4)} + 4 \times 9 \\ &= (-1) + \underline{4 \times 9} \\ &= \underline{(-1) + 36} \\ &= \underline{35} \end{aligned}$$

$$\begin{aligned} & (-7) - \underline{5^2} + (-6) \times (-8) \\ &= (-7) - 25 + \underline{(-6) \times (-8)} \\ &= \underline{(-7) - 25} + 48 \\ &= \underline{(-32) + 48} \\ &= \underline{16} \end{aligned}$$

$$\begin{aligned} & \underline{(-4)^2} \times 6 + 3 - 4 \\ &= \underline{16 \times 6} + 3 - 4 \\ &= \underline{96 + 3} - 4 \\ &= \underline{99 - 4} \\ &= \underline{95} \end{aligned}$$

$$\begin{aligned} & (-3) - \underline{3^2} \times 2 + 4 \\ &= (-3) - \underline{9 \times 2} + 4 \\ &= \underline{(-3) - 18} + 4 \\ &= \underline{(-21) + 4} \\ &= \underline{-17} \end{aligned}$$

$$\begin{aligned} & 6 \times 3 - (-9) + \underline{7^2} \\ &= \underline{6 \times 3} - (-9) + 49 \\ &= \underline{18 - (-9)} + 49 \\ &= \underline{27 + 49} \\ &= \underline{76} \end{aligned}$$