

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$(-4)^2 + 7 \times (-6)$$

$$(-2) \times 3^2 - (-5)$$

$$8 \times (-2) - (-4)^2$$

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

$$(-2)^3 \times 10 - 3$$

$$5 \times (7 + (-2)^3)$$

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

$$5^2 - (-7) \times 3$$

$$5 \times (-8) + 9^2$$

Order of Operations (C) Answers

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Date: _____

Simplify each expression using the correct order of operations.

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

$$\begin{aligned} & \underline{(-4)^2} + 7 \times (-6) \\ &= \underline{16} + \underline{7 \times (-6)} \\ &= \underline{16 + (-42)} \\ &= \underline{-26} \end{aligned}$$

$$\begin{aligned} & (-2) \times \underline{3^2} - (-5) \\ &= \underline{(-2) \times 9} - (-5) \\ &= \underline{(-18) - (-5)} \\ &= \underline{-13} \end{aligned}$$

$$\begin{aligned} & 8 \times (-2) - \underline{(-4)^2} \\ &= \underline{8 \times (-2)} - 16 \\ &= \underline{(-16) - 16} \\ &= \underline{-32} \end{aligned}$$

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

$$\begin{aligned} & \underline{(-2)^3} \times 10 - 3 \\ &= \underline{(-8) \times 10} - 3 \\ &= \underline{(-80) - 3} \\ &= \underline{-83} \end{aligned}$$

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

$$\begin{aligned} & 6 + \underline{3^2} \times (-4) \\ &= 6 + \underline{9 \times (-4)} \\ &= \underline{6 + (-36)} \\ &= \underline{-30} \end{aligned}$$

$$\begin{aligned} & \underline{5^2} - (-7) \times 3 \\ &= 25 - \underline{(-7) \times 3} \\ &= \underline{25 - (-21)} \\ &= \underline{46} \end{aligned}$$

$$\begin{aligned} & 5 \times (-8) + \underline{9^2} \\ &= \underline{5 \times (-8)} + 81 \\ &= \underline{(-40) + 81} \\ &= \underline{41} \end{aligned}$$