

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

$$(-3)^3 - (-8) \times 4$$

$$(-4) \times ((-8) + 3^3)$$

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

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

$$8 - (-3) \times (-5)^2$$

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

$$(-7) \times ((-5) - (-6))^3$$

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

Order of Operations (D) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-2) \times (9 - \underline{3^2}) \\ & = (-2) \times (\underline{9 - 9}) \\ & = \underline{(-2) \times 0} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (\underline{3 - 2}) \times (-7)^2 \\ & = 1 \times \underline{(-7)^2} \\ & = \underline{1 \times 49} \\ & = 49 \end{aligned}$$

$$\begin{aligned} & \underline{(-3)^3} - (-8) \times 4 \\ & = (-27) - \underline{(-8) \times 4} \\ & = \underline{(-27) - (-32)} \\ & = 5 \end{aligned}$$

$$\begin{aligned} & (-4) \times ((-8) + \underline{3^3}) \\ & = (-4) \times (\underline{(-8) + 27}) \\ & = \underline{(-4) \times 19} \\ & = -76 \end{aligned}$$

$$\begin{aligned} & (\underline{(-4)^2} - 2) \times (-3) \\ & = (\underline{16 - 2}) \times (-3) \\ & = \underline{14 \times (-3)} \\ & = -42 \end{aligned}$$

$$\begin{aligned} & (-4) \times ((-9) + \underline{2^3}) \\ & = (-4) \times (\underline{(-9) + 8}) \\ & = \underline{(-4) \times (-1)} \\ & = 4 \end{aligned}$$

$$\begin{aligned} & 8 - (-3) \times \underline{(-5)^2} \\ & = 8 - \underline{(-3) \times 25} \\ & = \underline{8 - (-75)} \\ & = 83 \end{aligned}$$

$$\begin{aligned} & \underline{8^2} - (-5) \times (-7) \\ & = 64 - \underline{(-5) \times (-7)} \\ & = \underline{64 - 35} \\ & = 29 \end{aligned}$$

$$\begin{aligned} & (-7) \times (\underline{(-5) - (-6)})^3 \\ & = (-7) \times \underline{1^3} \\ & = \underline{(-7) \times 1} \\ & = -7 \end{aligned}$$

$$\begin{aligned} & \underline{(-5)^2} + 5 \times 9 \\ & = 25 + \underline{5 \times 9} \\ & = \underline{25 + 45} \\ & = 70 \end{aligned}$$