

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$3 \times 10 + 8 - 4^2$$

$$(-9) - (-8) + 2 \times 4^2$$

$$(-3)^3 - 2 + 8 \div (-8)$$

$$8 \div (-4) \times (-6)^2 + 7$$

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

$$10 \times 5 - (-6)^2 + (-8)$$

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

$$(10 \div (-5) - (-2)) \times (-3)^3$$

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

Order of Operations (A) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(-5)^2} - 2 \times (-9) + 6 \\ & = 25 - \underline{2 \times (-9)} + 6 \\ & = \underline{25 - (-18)} + 6 \\ & = \underline{43 + 6} \\ & = 49 \end{aligned}$$

$$\begin{aligned} & (-9) - (-8) + 2 \times \underline{4^2} \\ & = (-9) - (-8) + \underline{2 \times 16} \\ & = \underline{(-9) - (-8)} + 32 \\ & = \underline{(-1) + 32} \\ & = 31 \end{aligned}$$

$$\begin{aligned} & 8 \div (-4) \times \underline{(-6)^2} + 7 \\ & = \underline{8 \div (-4)} \times 36 + 7 \\ & = \underline{(-2) \times 36} + 7 \\ & = \underline{(-72) + 7} \\ & = -65 \end{aligned}$$

$$\begin{aligned} & 10 \times 5 - \underline{(-6)^2} + (-8) \\ & = \underline{10 \times 5} - 36 + (-8) \\ & = \underline{50 - 36} + (-8) \\ & = \underline{14 + (-8)} \\ & = 6 \end{aligned}$$

$$\begin{aligned} & (\underline{10 \div (-5)} - (-2)) \times (-3)^3 \\ & = \underline{((-2) - (-2))} \times (-3)^3 \\ & = 0 \times \underline{(-3)^3} \\ & = \underline{0 \times (-27)} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & 3 \times 10 + 8 - \underline{4^2} \\ & = \underline{3 \times 10} + 8 - 16 \\ & = \underline{30 + 8} - 16 \\ & = \underline{38 - 16} \\ & = 22 \end{aligned}$$

$$\begin{aligned} & \underline{(-3)^3} - 2 + 8 \div (-8) \\ & = (-27) - 2 + \underline{8 \div (-8)} \\ & = \underline{(-27) - 2} + (-1) \\ & = \underline{(-29) + (-1)} \\ & = -30 \end{aligned}$$

$$\begin{aligned} & 4 \times (-8) + 6 - \underline{(-2)^3} \\ & = \underline{4 \times (-8)} + 6 - (-8) \\ & = \underline{(-32) + 6} - (-8) \\ & = \underline{(-26) - (-8)} \\ & = -18 \end{aligned}$$

$$\begin{aligned} & \underline{(-5)^2} \times 3 \div 5 + 9 \\ & = \underline{25 \times 3} \div 5 + 9 \\ & = \underline{75 \div 5} + 9 \\ & = \underline{15 + 9} \\ & = 24 \end{aligned}$$

$$\begin{aligned} & 4 \times (-6) \div 8 + \underline{3^3} \\ & = \underline{4 \times (-6)} \div 8 + 27 \\ & = \underline{(-24) \div 8} + 27 \\ & = \underline{(-3) + 27} \\ & = 24 \end{aligned}$$