

Order of Operations (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$(7 + (-7)) \div (-3)^2 \times 4$$

$$6 + (-2)^3 \div (-8) - (-10)$$

$$9 \times (-9) + (-5)^2 - (-10)$$

$$(-6)^2 + (-8) - 9 \times 8$$

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

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

$$(-6) \div 6 \times (-3)^3 + 10$$

$$(-2)^3 \div 4 + (-6) - (-7)$$

$$(-7) + 2^3 \times 3 - 8$$

Order of Operations (E) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-6) - 10^2 \div (4 + (-5)) \\ &= (-6) - \underline{10^2} \div (-1) \\ &= (-6) - \underline{100 \div (-1)} \\ &= \underline{(-6) - (-100)} \\ &= 94 \end{aligned}$$

$$\begin{aligned} & 6 + \underline{(-2)^3} \div (-8) - (-10) \\ &= 6 + \underline{(-8) \div (-8)} - (-10) \\ &= \underline{6 + 1} - (-10) \\ &= \underline{7 - (-10)} \\ &= 17 \end{aligned}$$

$$\begin{aligned} & \underline{(-6)^2} + (-8) - 9 \times 8 \\ &= 36 + (-8) - \underline{9 \times 8} \\ &= \underline{36 + (-8)} - 72 \\ &= \underline{28 - 72} \\ &= -44 \end{aligned}$$

$$\begin{aligned} & (4 + (-6) - 3) \times (-3)^2 \\ &= (\underline{(-2) - 3}) \times (-3)^2 \\ &= (-5) \times \underline{(-3)^2} \\ &= \underline{(-5) \times 9} \\ &= -45 \end{aligned}$$

$$\begin{aligned} & \underline{(-2)^3} \div 4 + (-6) - (-7) \\ &= \underline{(-8) \div 4} + (-6) - (-7) \\ &= \underline{(-2) + (-6)} - (-7) \\ &= \underline{(-8) - (-7)} \\ &= -1 \end{aligned}$$

$$\begin{aligned} & (7 + (-7)) \div (-3)^2 \times 4 \\ &= 0 \div \underline{(-3)^2} \times 4 \\ &= \underline{0 \div 9} \times 4 \\ &= \underline{0 \times 4} \\ &= 0 \end{aligned}$$

$$\begin{aligned} & 9 \times (-9) + \underline{(-5)^2} - (-10) \\ &= \underline{9 \times (-9)} + 25 - (-10) \\ &= \underline{(-81) + 25} - (-10) \\ &= \underline{(-56) - (-10)} \\ &= -46 \end{aligned}$$

$$\begin{aligned} & 8 - 3 \times \underline{2^2} + 4 \\ &= 8 - \underline{3 \times 4} + 4 \\ &= \underline{8 - 12} + 4 \\ &= \underline{(-4) + 4} \\ &= 0 \end{aligned}$$

$$\begin{aligned} & (-6) \div 6 \times \underline{(-3)^3} + 10 \\ &= \underline{(-6) \div 6} \times (-27) + 10 \\ &= \underline{(-1) \times (-27)} + 10 \\ &= \underline{27 + 10} \\ &= 37 \end{aligned}$$

$$\begin{aligned} & (-7) + \underline{2^3} \times 3 - 8 \\ &= (-7) + \underline{8 \times 3} - 8 \\ &= \underline{(-7) + 24} - 8 \\ &= \underline{17 - 8} \\ &= 9 \end{aligned}$$