

# Order of Operations (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(-6) - 10 \times (-3) \div (8 + 7) \times (-2)$$

$$((-8) + 7) \times (-3) - (-5) \div 5 \times (-7)$$

$$((-5) \times (-9)) \div ((-4) + 2 - 7) \times (-10)$$

$$((-8) \div ((-7) - (-5))) \times 3 + 7 + (-3)$$

$$((6 + (-6)) \times (-3)) \div 9 - (-4) \times 4$$

$$8 \times ((7 + (-5) - 6) \div (2 - 3))$$

# Order of Operations (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-6) - 10 \times (-3) \div (8 + 7) \times (-2) \\ & = (-6) - \underline{10 \times (-3)} \div 15 \times (-2) \\ & = (-6) - \underline{(-30) \div 15} \times (-2) \\ & = (-6) - \underline{(-2) \times (-2)} \\ & = \underline{(-6) - 4} \\ & = -10 \end{aligned}$$

$$\begin{aligned} & ((-8) + 7) \times (-3) - (-5) \div 5 \times (-7) \\ & = \underline{(-1) \times (-3)} - (-5) \div 5 \times (-7) \\ & = 3 - \underline{(-5) \div 5} \times (-7) \\ & = 3 - \underline{(-1) \times (-7)} \\ & = \underline{3 - 7} \\ & = -4 \end{aligned}$$

$$\begin{aligned} & ((-5) \times (-9)) \div ((-4) + 2 - 7) \times (-10) \\ & = (45 \div \underline{(-4) + 2 - 7}) \times (-10) \\ & = (45 \div \underline{(-2) - 7}) \times (-10) \\ & = \underline{45 \div (-9)} \times (-10) \\ & = \underline{(-5) \times (-10)} \\ & = 50 \end{aligned}$$

$$\begin{aligned} & ((-8) \div ((-7) - (-5))) \times 3 + 7 + (-3) \\ & = \underline{(-8) \div (-2)} \times 3 + 7 + (-3) \\ & = \underline{4 \times 3} + 7 + (-3) \\ & = \underline{12 + 7} + (-3) \\ & = \underline{19 + (-3)} \\ & = 16 \end{aligned}$$

$$\begin{aligned} & ((6 + (-6)) \times (-3)) \div 9 - (-4) \times 4 \\ & = \underline{0 \times (-3)} \div 9 - (-4) \times 4 \\ & = \underline{0 \div 9} - (-4) \times 4 \\ & = 0 - \underline{(-4) \times 4} \\ & = \underline{0 - (-16)} \\ & = 16 \end{aligned}$$

$$\begin{aligned} & 8 \times ((7 + (-5)) - 6) \div (2 - 3) \\ & = 8 \times ((\underline{2 - 6}) \div (2 - 3)) \\ & = 8 \times ((-4) \div \underline{2 - 3}) \\ & = 8 \times \underline{(-4) \div (-1)} \\ & = \underline{8 \times 4} \\ & = 32 \end{aligned}$$