

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(4 + 5 \times 2^2) \div 3 - (-3)$$

$$(-5) \times (-7) + (-10)^2 \div (8 - 3)$$

$$((-4) \times 2^3) \div 4 - 9 + 5$$

$$((-5) - (-9)) \times (-2) + 8^3 \div 9$$

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

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

Order of Operations (C) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}(4 + 5 \times 2^2) \div 3 - (-3) \\ &= (4 + 5 \times 4) \div 3 - (-3) \\ &= (4 + 20) \div 3 - (-3) \\ &= 24 \div 3 - (-3) \\ &= 8 - (-3) \\ &= 11\end{aligned}$$

$$\begin{aligned}(-5) \times (-7) + (-10)^2 \div (8 - 3) \\ &= (-5) \times (-7) + (-10)^2 \div 5 \\ &= (-5) \times (-7) + 100 \div 5 \\ &= 35 + 100 \div 5 \\ &= 35 + 20 \\ &= 55\end{aligned}$$

$$\begin{aligned}((-4) \times 2^3) \div 4 - 9 + 5 \\ &= ((-4) \times 8) \div 4 - 9 + 5 \\ &= (-32) \div 4 - 9 + 5 \\ &= (-8) - 9 + 5 \\ &= (-17) + 5 \\ &= -12\end{aligned}$$

$$\begin{aligned}(((-5) - (-9)) \times (-2) + 8)^3 \div 9 \\ &= (4 \times (-2) + 8)^3 \div 9 \\ &= ((-8) + 8)^3 \div 9 \\ &= 0^3 \div 9 \\ &= 0 \div 9 \\ &= 0\end{aligned}$$

$$\begin{aligned}(6 + 5 \times (-6) - (-4)^2) \div 4 \\ &= (6 + 5 \times (-6) - 16) \div 4 \\ &= (6 + (-30) - 16) \div 4 \\ &= ((-24) - 16) \div 4 \\ &= (-40) \div 4 \\ &= -10\end{aligned}$$

$$\begin{aligned}((-7) - (-2)^2 \times 2) \div ((-4) + 9) \\ &= ((-7) - 4 \times 2) \div ((-4) + 9) \\ &= ((-7) - 8) \div ((-4) + 9) \\ &= (-15) \div ((-4) + 9) \\ &= (-15) \div 5 \\ &= -3\end{aligned}$$