

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

$$((9 - (-6)) \div (-5) + 5) \times 2^3$$

$$(4 \div (2 - (-3) + (-9))) \times (-10)^2$$

$$((-10) + 2 - (-7)) \times ((-3)^2 \div 9)$$

Order of Operations (A) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (2^2 + (-9)) \div ((-10) - (-5)) \times (-2) \\ & = (4 + (-9)) \div ((-10) - (-5)) \times (-2) \\ & = (-5) \div ((-10) - (-5)) \times (-2) \\ & = (-5) \div (-5) \times (-2) \\ & = 1 \times (-2) \\ & = -2 \end{aligned}$$

$$\begin{aligned} & (-3)^2 \div 3 \times (5 - 10) + (-8) \\ & = (-3)^2 \div 3 \times ((-5) + (-8)) \\ & = (-3)^2 \div 3 \times (-13) \\ & = 9 \div 3 \times (-13) \\ & = 3 \times (-13) \\ & = -39 \end{aligned}$$

$$\begin{aligned} & (-7) \times ((-8) - (-6) + 8 \div (-2)^3) \\ & = (-7) \times ((-8) - (-6) + 8 \div (-8)) \\ & = (-7) \times ((-8) - (-6) + (-1)) \\ & = (-7) \times ((-2) + (-1)) \\ & = (-7) \times (-3) \\ & = 21 \end{aligned}$$

$$\begin{aligned} & ((9 - (-6)) \div (-5) + 5) \times 2^3 \\ & = (15 \div (-5) + 5) \times 2^3 \\ & = ((-3) + 5) \times 2^3 \\ & = 2 \times 2^3 \\ & = 2 \times 8 \\ & = 16 \end{aligned}$$

$$\begin{aligned} & (4 \div (2 - (-3) + (-9))) \times (-10)^2 \\ & = (4 \div (5 + (-9))) \times (-10)^2 \\ & = (4 \div (-4)) \times (-10)^2 \\ & = (-1) \times (-10)^2 \\ & = (-1) \times 100 \\ & = -100 \end{aligned}$$

$$\begin{aligned} & ((-10) + 2 - (-7)) \times ((-3)^2 \div 9) \\ & = ((-8) - (-7)) \times ((-3)^2 \div 9) \\ & = (-1) \times ((-3)^2 \div 9) \\ & = (-1) \times (9 \div 9) \\ & = (-1) \times 1 \\ & = -1 \end{aligned}$$

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$(7 - 5)^3 \times 10 \div ((-2) + 6)$$

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

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

$$((-8)^2 - (-6) \times (4 + 2)) \div 5$$

$$((10 - 7)^2 \times (-8)) \div 9 + 8$$

Order of Operations (B) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (6 + (-5) \div 5 - (-7)^2) \times 2 \\ &= (6 + (-5) \div 5 - 49) \times 2 \\ &= (6 + (-1) - 49) \times 2 \\ &= (5 - 49) \times 2 \\ &= (-44) \times 2 \\ &= -88 \end{aligned}$$

$$\begin{aligned} & (7 - 5)^3 \times 10 \div ((-2) + 6) \\ &= 2^3 \times 10 \div ((-2) + 6) \\ &= 2^3 \times 10 \div 4 \\ &= 8 \times 10 \div 4 \\ &= 80 \div 4 \\ &= 20 \end{aligned}$$

$$\begin{aligned} & (2 - 5 \times (-2) + (-9))^2 \div 9 \\ &= (2 - (-10) + (-9))^2 \div 9 \\ &= (12 + (-9))^2 \div 9 \\ &= 3^2 \div 9 \\ &= 9 \div 9 \\ &= 1 \end{aligned}$$

$$\begin{aligned} & 3^3 \div (-3) \times (2 - 9 + 5) \\ &= 3^3 \div (-3) \times ((-7) + 5) \\ &= 3^3 \div (-3) \times (-2) \\ &= 27 \div (-3) \times (-2) \\ &= (-9) \times (-2) \\ &= 18 \end{aligned}$$

$$\begin{aligned} & ((-8)^2 - (-6) \times (4 + 2)) \div 5 \\ &= ((-8)^2 - (-6) \times 6) \div 5 \\ &= (64 - (-6) \times 6) \div 5 \\ &= (64 - (-36)) \div 5 \\ &= 100 \div 5 \\ &= 20 \end{aligned}$$

$$\begin{aligned} & ((10 - 7)^2 \times (-8)) \div 9 + 8 \\ &= (3^2 \times (-8)) \div 9 + 8 \\ &= (9 \times (-8)) \div 9 + 8 \\ &= (-72) \div 9 + 8 \\ &= (-8) + 8 \\ &= 0 \end{aligned}$$

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.

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

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

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

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

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

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

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

$$3 \times (7 + (-5) - 9 \div (-9))^2$$

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

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

Order of Operations (D) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left(\underline{(-7) - (-6)} \right)^3 \times (7 + 2) \div (-3) \\ & = (-1)^3 \times \underline{(7 + 2)} \div (-3) \\ & = \underline{(-1)^3} \times 9 \div (-3) \\ & = \underline{(-1) \times 9} \div (-3) \\ & = \underline{(-9) \div (-3)} \\ & = 3 \end{aligned}$$

$$\begin{aligned} & (8 + \underline{6^2}) \div (-2) - (-7) \times 5 \\ & = \underline{(8 + 36)} \div (-2) - (-7) \times 5 \\ & = \underline{44 \div (-2)} - (-7) \times 5 \\ & = (-22) - \underline{(-7) \times 5} \\ & = \underline{(-22) - (-35)} \\ & = 13 \end{aligned}$$

$$\begin{aligned} & (3 \times \underline{2^3}) \div 6 - (-2) + 4 \\ & = \underline{(3 \times 8)} \div 6 - (-2) + 4 \\ & = \underline{24 \div 6} - (-2) + 4 \\ & = \underline{4 - (-2)} + 4 \\ & = \underline{6 + 4} \\ & = 10 \end{aligned}$$

$$\begin{aligned} & 3 \times \left(7 + (-5) - \underline{9 \div (-9)} \right)^2 \\ & = 3 \times \left(\underline{7 + (-5)} - (-1) \right)^2 \\ & = 3 \times \left(\underline{2 - (-1)} \right)^2 \\ & = 3 \times \underline{3^2} \\ & = \underline{3 \times 9} \\ & = 27 \end{aligned}$$

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

$$\begin{aligned} & 6 \times \left(3 + (-10) \div 10 - \underline{(-2)^3} \right) \\ & = 6 \times \left(3 + \underline{(-10) \div 10} - (-8) \right) \\ & = 6 \times \left(\underline{3 + (-1)} - (-8) \right) \\ & = 6 \times \left(\underline{2 - (-8)} \right) \\ & = \underline{6 \times 10} \\ & = 60 \end{aligned}$$

Order of Operations (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$((-5) - 9 \div (7 + (-6)))^3 \times (-4)$$

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

$$((-8) + (-6) - (-7)) \times ((-3)^3 \div (-9))$$

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

$$(-3) + (-8) \times (-7) \div (5 - 4)^3$$

$$((-10) \times (-2) + 2 - 4^3) \div 7$$

Order of Operations (E) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left((-5) - 9 \div \left(\underline{7 + (-6)} \right)^3 \right) \times (-4) \\ & = \left((-5) - 9 \div \underline{1^3} \right) \times (-4) \\ & = \left((-5) - \underline{9 \div 1} \right) \times (-4) \\ & = \left(\underline{(-5) - 9} \right) \times (-4) \\ & = \underline{(-14) \times (-4)} \\ & = 56 \end{aligned}$$

$$\begin{aligned} & (-10) \div (5 - \underline{3^2} + 2) \times (-2) \\ & = (-10) \div (\underline{5 - 9} + 2) \times (-2) \\ & = (-10) \div \left(\underline{(-4) + 2} \right) \times (-2) \\ & = \underline{(-10) \div (-2)} \times (-2) \\ & = \underline{5 \times (-2)} \\ & = -10 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-8) + (-6)} - (-7) \right) \times \left((-3)^3 \div (-9) \right) \\ & = \left(\underline{(-14) - (-7)} \right) \times \left((-3)^3 \div (-9) \right) \\ & = (-7) \times \left(\underline{(-3)^3} \div (-9) \right) \\ & = (-7) \times \left(\underline{(-27) \div (-9)} \right) \\ & = \underline{(-7) \times 3} \\ & = -21 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-4) + (-2)} \right)^2 \div 4 - (-7) \times 10 \\ & = \underline{(-6)^2} \div 4 - (-7) \times 10 \\ & = \underline{36 \div 4} - (-7) \times 10 \\ & = 9 - \underline{(-7) \times 10} \\ & = \underline{9 - (-70)} \\ & = 79 \end{aligned}$$

$$\begin{aligned} & (-3) + (-8) \times (-7) \div \underline{(5 - 4)^3} \\ & = (-3) + (-8) \times (-7) \div \underline{1^3} \\ & = (-3) + \underline{(-8) \times (-7)} \div 1 \\ & = (-3) + \underline{56 \div 1} \\ & = \underline{(-3) + 56} \\ & = 53 \end{aligned}$$

$$\begin{aligned} & \left((-10) \times (-2) + 2 - \underline{4^3} \right) \div 7 \\ & = \left(\underline{(-10) \times (-2)} + 2 - 64 \right) \div 7 \\ & = \left(\underline{20 + 2} - 64 \right) \div 7 \\ & = \left(\underline{22 - 64} \right) \div 7 \\ & = \underline{(-42) \div 7} \\ & = -6 \end{aligned}$$

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$((-4) \times (-3)^2) \div 4 + 6 - (-10)$$

$$(-4)^3 - (-8) \times (5 + 6 \div (-3))$$

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

$$10 \div (-2) \times (3 - 5 + 6)^2$$

$$(-3)^2 \times (5 + (-6) - 9) \div 2$$

Order of Operations (F) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 2 \times ((-5) + 6 - (-7)) \div (-2)^2 \\ &= 2 \times (1 - (-7)) \div (-2)^2 \\ &= 2 \times 8 \div (-2)^2 \\ &= \underline{2 \times 8} \div 4 \\ &= \underline{16 \div 4} \\ &= 4 \end{aligned}$$

$$\begin{aligned} & ((-4) \times (-3)^2) \div 4 + 6 - (-10) \\ &= ((-4) \times 9) \div 4 + 6 - (-10) \\ &= \underline{(-36) \div 4} + 6 - (-10) \\ &= \underline{(-9) + 6} - (-10) \\ &= \underline{(-3) - (-10)} \\ &= 7 \end{aligned}$$

$$\begin{aligned} & (-4)^3 - (-8) \times (5 + \underline{6 \div (-3)}) \\ &= (-4)^3 - (-8) \times (5 + \underline{(-2)}) \\ &= \underline{(-4)^3} - (-8) \times 3 \\ &= (-64) - \underline{(-8) \times 3} \\ &= \underline{(-64) - (-24)} \\ &= -40 \end{aligned}$$

$$\begin{aligned} & ((-10) \times 9) \div (-9) + 10 - 4^2 \\ &= (-90) \div (-9) + 10 - \underline{4^2} \\ &= \underline{(-90) \div (-9)} + 10 - 16 \\ &= \underline{10 + 10} - 16 \\ &= \underline{20 - 16} \\ &= 4 \end{aligned}$$

$$\begin{aligned} & 10 \div (-2) \times (3 - 5 + 6)^2 \\ &= 10 \div (-2) \times (\underline{(-2) + 6})^2 \\ &= 10 \div (-2) \times \underline{4^2} \\ &= \underline{10 \div (-2)} \times 16 \\ &= \underline{(-5) \times 16} \\ &= -80 \end{aligned}$$

$$\begin{aligned} & (-3)^2 \times (5 + \underline{(-6)} - 9) \div 2 \\ &= (-3)^2 \times (\underline{(-1) - 9}) \div 2 \\ &= \underline{(-3)^2} \times (-10) \div 2 \\ &= \underline{9 \times (-10)} \div 2 \\ &= \underline{(-90) \div 2} \\ &= -45 \end{aligned}$$

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$5 \div (6 \times 2 + (-4) - 9)^3$$

$$5 \div ((-8) - (-9)) \times (-5) + 4^2$$

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

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

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

Order of Operations (G) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 10 \times \left(\left(\underline{(-6) + (-2)} - (-8) \right) \div 5 \right)^2 \\ &= 10 \times \left(\left(\underline{(-8) - (-8)} \right) \div 5 \right)^2 \\ &= 10 \times \left(\underline{0 \div 5} \right)^2 \\ &= 10 \times \underline{0^2} \\ &= \underline{10 \times 0} \\ &= 0 \end{aligned}$$

$$\begin{aligned} & 5 \div \left(\underline{6 \times 2} + (-4) - 9 \right)^3 \\ &= 5 \div \left(\underline{12 + (-4)} - 9 \right)^3 \\ &= 5 \div \left(\underline{8 - 9} \right)^3 \\ &= 5 \div \left(\underline{-1} \right)^3 \\ &= \underline{5 \div (-1)} \\ &= -5 \end{aligned}$$

$$\begin{aligned} & 5 \div \left(\underline{(-8) - (-9)} \right) \times (-5) + 4^2 \\ &= 5 \div 1 \times (-5) + \underline{4^2} \\ &= \underline{5 \div 1} \times (-5) + 16 \\ &= \underline{5 \times (-5)} + 16 \\ &= \underline{(-25) + 16} \\ &= -9 \end{aligned}$$

$$\begin{aligned} & (-3) \times \left(7 - 3 + \underline{2^3} \div 8 \right) \\ &= (-3) \times \left(7 - 3 + \underline{8 \div 8} \right) \\ &= (-3) \times \left(\underline{7 - 3} + 1 \right) \\ &= (-3) \times \left(\underline{4 + 1} \right) \\ &= \underline{(-3) \times 5} \\ &= -15 \end{aligned}$$

$$\begin{aligned} & (-2) - 4^2 \div (-4) \times \left(\underline{(-5) + 2} \right) \\ &= (-2) - \underline{4^2} \div (-4) \times (-3) \\ &= (-2) - \underline{16 \div (-4)} \times (-3) \\ &= (-2) - \underline{(-4) \times (-3)} \\ &= \underline{(-2) - 12} \\ &= -14 \end{aligned}$$

$$\begin{aligned} & \left((-7) - \underline{(-10) \div 2} + 3 \right)^2 \times (-6) \\ &= \left(\underline{(-7) - (-5)} + 3 \right)^2 \times (-6) \\ &= \left(\underline{(-2) + 3} \right)^2 \times (-6) \\ &= \underline{1^2} \times (-6) \\ &= \underline{1 \times (-6)} \\ &= -6 \end{aligned}$$

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$(3^2 \div (-9) - 6) \times 9 + 10$$

$$(-8) \times ((-2)^3 + 9 - (-10)) \div 8$$

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

$$((-6) - 5 + 8) \div 3 \times 4^3$$

$$((9 - 3 + (-6)) \times 2) \div 4^2$$

Order of Operations (H) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} &((-4) \div 2^2 - 4 + 8) \times (-9) \\ &= ((-4) \div 4 - 4 + 8) \times (-9) \\ &= ((-1) - 4 + 8) \times (-9) \\ &= ((-5) + 8) \times (-9) \\ &= 3 \times (-9) \\ &= -27 \end{aligned}$$

$$\begin{aligned} &(3^2 \div (-9) - 6) \times 9 + 10 \\ &= (9 \div (-9) - 6) \times 9 + 10 \\ &= ((-1) - 6) \times 9 + 10 \\ &= (-7) \times 9 + 10 \\ &= (-63) + 10 \\ &= -53 \end{aligned}$$

$$\begin{aligned} &(-8) \times ((-2)^3 + 9 - (-10)) \div 8 \\ &= (-8) \times ((-8) + 9 - (-10)) \div 8 \\ &= (-8) \times (1 - (-10)) \div 8 \\ &= (-8) \times 11 \div 8 \\ &= (-88) \div 8 \\ &= -11 \end{aligned}$$

$$\begin{aligned} &2 \times ((-8) + (-3) \div 3 - (-6))^3 \\ &= 2 \times ((-8) + (-1) - (-6))^3 \\ &= 2 \times ((-9) - (-6))^3 \\ &= 2 \times (-3)^3 \\ &= 2 \times (-27) \\ &= -54 \end{aligned}$$

$$\begin{aligned} &((-6) - 5 + 8) \div 3 \times 4^3 \\ &= ((-11) + 8) \div 3 \times 4^3 \\ &= (-3) \div 3 \times 4^3 \\ &= (-3) \div 3 \times 64 \\ &= (-1) \times 64 \\ &= -64 \end{aligned}$$

$$\begin{aligned} &((9 - 3 + (-6)) \times 2) \div 4^2 \\ &= ((6 + (-6)) \times 2) \div 4^2 \\ &= (0 \times 2) \div 4^2 \\ &= 0 \div 4^2 \\ &= 0 \div 16 \\ &= 0 \end{aligned}$$

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$((-10) + 4^2 \div 2 - 3) \times 8$$

$$(-10) \div (3^2 - (-3) + (-7)) \times (-9)$$

$$(2 \times (-10) + (-3)^2 - (-4)) \div (-7)$$

$$(8 + (-8)) \div ((-4)^2 - (-5) \times 7)$$

$$(-4) \times (2 + 3^2 \div 9 - 6)$$

Order of Operations (I) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & ((-2)^2 \times 3) \div ((-9) - 5 + 2) \\ &= (4 \times 3) \div ((-9) - 5 + 2) \\ &= 12 \div ((-9) - 5 + 2) \\ &= 12 \div ((-14) + 2) \\ &= 12 \div (-12) \\ &= -1 \end{aligned}$$

$$\begin{aligned} & ((-10) + 4^2 \div 2 - 3) \times 8 \\ &= ((-10) + 16 \div 2 - 3) \times 8 \\ &= ((-10) + 8 - 3) \times 8 \\ &= ((-2) - 3) \times 8 \\ &= (-5) \times 8 \\ &= -40 \end{aligned}$$

$$\begin{aligned} & (-10) \div (3^2 - (-3) + (-7)) \times (-9) \\ &= (-10) \div (9 - (-3) + (-7)) \times (-9) \\ &= (-10) \div (12 + (-7)) \times (-9) \\ &= (-10) \div 5 \times (-9) \\ &= (-2) \times (-9) \\ &= 18 \end{aligned}$$

$$\begin{aligned} & (2 \times (-10) + (-3)^2 - (-4)) \div (-7) \\ &= (2 \times (-10) + 9 - (-4)) \div (-7) \\ &= ((-20) + 9 - (-4)) \div (-7) \\ &= ((-11) - (-4)) \div (-7) \\ &= (-7) \div (-7) \\ &= 1 \end{aligned}$$

$$\begin{aligned} & (8 + (-8)) \div ((-4)^2 - (-5) \times 7) \\ &= 0 \div ((-4)^2 - (-5) \times 7) \\ &= 0 \div (16 - (-5) \times 7) \\ &= 0 \div (16 - (-35)) \\ &= 0 \div 51 \\ &= 0 \end{aligned}$$

$$\begin{aligned} & (-4) \times (2 + 3^2 \div 9 - 6) \\ &= (-4) \times (2 + 9 \div 9 - 6) \\ &= (-4) \times (2 + 1 - 6) \\ &= (-4) \times (3 - 6) \\ &= (-4) \times (-3) \\ &= 12 \end{aligned}$$

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(8 - (-2)^2 + (-4)) \div (-5) \times 3$$

$$((-8) \times ((-4) - (-5) + (-9))) \div 8^2$$

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

$$8^2 - 10 + 6 \times ((-8) \div (-4))$$

$$(6 - (-9) + 9^2) \div (8 \times (-3))$$

$$3 \div ((-8) - (-9))^3 \times 5 + (-6)$$

Order of Operations (J) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$\begin{aligned} & ((-8) \times (\underline{(-4) - (-5)} + (-9))) \div 8^2 \\ & = ((-8) \times \underline{(1 + (-9))}) \div 8^2 \\ & = \underline{((-8) \times (-8))} \div 8^2 \\ & = 64 \div \underline{8^2} \\ & = \underline{64 \div 64} \\ & = 1 \end{aligned}$$

$$\begin{aligned} & (3 + \underline{7^2}) \div (-4) \times (-3) - 6 \\ & = \underline{(3 + 49)} \div (-4) \times (-3) - 6 \\ & = \underline{52 \div (-4)} \times (-3) - 6 \\ & = \underline{(-13) \times (-3)} - 6 \\ & = \underline{39 - 6} \\ & = 33 \end{aligned}$$

$$\begin{aligned} & 8^2 - 10 + 6 \times (\underline{(-8) \div (-4)}) \\ & = \underline{8^2} - 10 + 6 \times 2 \\ & = 64 - 10 + \underline{6 \times 2} \\ & = \underline{64 - 10} + 12 \\ & = \underline{54 + 12} \\ & = 66 \end{aligned}$$

$$\begin{aligned} & (6 - (-9) + \underline{9^2}) \div (8 \times (-3)) \\ & = \underline{(6 - (-9) + 81)} \div (8 \times (-3)) \\ & = \underline{(15 + 81)} \div (8 \times (-3)) \\ & = 96 \div \underline{(8 \times (-3))} \\ & = \underline{96 \div (-24)} \\ & = -4 \end{aligned}$$

$$\begin{aligned} & 3 \div (\underline{(-8) - (-9)})^3 \times 5 + (-6) \\ & = 3 \div \underline{1^3} \times 5 + (-6) \\ & = \underline{3 \div 1} \times 5 + (-6) \\ & = \underline{3 \times 5} + (-6) \\ & = \underline{15 + (-6)} \\ & = 9 \end{aligned}$$