

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.

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

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

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

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

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

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

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

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

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

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

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

$$9 \times (-10) - (-3)^3 + 10$$

$$(-5) \times (7 - 4 + 2^3)$$

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

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

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

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

$$(9^2 - (-4) + 3) \div (-8)$$

$$(-6) - 6 \times (-9) \div 3^3$$

Order of Operations (B) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 2^3 \times 10 - 3 + (-2) \\ & = 8 \times 10 - 3 + (-2) \\ & = 80 - 3 + (-2) \\ & = 77 + (-2) \\ & = 75 \end{aligned}$$

$$\begin{aligned} & (5^2 - 6 + (-5)) \times 2 \\ & = (25 - 6 + (-5)) \times 2 \\ & = (19 + (-5)) \times 2 \\ & = 14 \times 2 \\ & = 28 \end{aligned}$$

$$\begin{aligned} & 9 \times (-10) - (-3)^3 + 10 \\ & = 9 \times (-10) - (-27) + 10 \\ & = (-90) - (-27) + 10 \\ & = (-63) + 10 \\ & = -53 \end{aligned}$$

$$\begin{aligned} & (-5) \times (7 - 4 + 2^3) \\ & = (-5) \times (7 - 4 + 8) \\ & = (-5) \times (3 + 8) \\ & = (-5) \times 11 \\ & = -55 \end{aligned}$$

$$\begin{aligned} & 10 + 6 \times 2 - (-3)^3 \\ & = 10 + 6 \times 2 - (-27) \\ & = 10 + 12 - (-27) \\ & = 22 - (-27) \\ & = 49 \end{aligned}$$

$$\begin{aligned} & (-7) \times 9 \div ((-5) - (-2))^2 \\ & = (-7) \times 9 \div (-3)^2 \\ & = (-7) \times 9 \div 9 \\ & = (-63) \div 9 \\ & = -7 \end{aligned}$$

$$\begin{aligned} & (-6) \times ((-5) - (-2)^2 + 5) \\ & = (-6) \times ((-5) - 4 + 5) \\ & = (-6) \times ((-9) + 5) \\ & = (-6) \times (-4) \\ & = 24 \end{aligned}$$

$$\begin{aligned} & (-7) \times (2 - (-3)^2 + (-5)) \\ & = (-7) \times (2 - 9 + (-5)) \\ & = (-7) \times ((-7) + (-5)) \\ & = (-7) \times (-12) \\ & = 84 \end{aligned}$$

$$\begin{aligned} & (9^2 - (-4) + 3) \div (-8) \\ & = (81 - (-4) + 3) \div (-8) \\ & = (85 + 3) \div (-8) \\ & = 88 \div (-8) \\ & = -11 \end{aligned}$$

$$\begin{aligned} & (-6) - 6 \times (-9) \div 3^3 \\ & = (-6) - 6 \times (-9) \div 27 \\ & = (-6) - (-54) \div 27 \\ & = (-6) - (-2) \\ & = -4 \end{aligned}$$

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations (C) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & ((-9) \times (-5) - 9) \div (-6)^2 \\ &= (45 - 9) \div (-6)^2 \\ &= 36 \div (-6)^2 \\ &= 36 \div 36 \\ &= 1 \end{aligned}$$

$$\begin{aligned} & 4 \div 2^2 - (-6) \times (-2) \\ &= 4 \div 4 - (-6) \times (-2) \\ &= 1 - (-6) \times (-2) \\ &= 1 - 12 \\ &= -11 \end{aligned}$$

$$\begin{aligned} & 9 \times 8 - (-4) \div 2^2 \\ &= 9 \times 8 - (-4) \div 4 \\ &= 72 - (-4) \div 4 \\ &= 72 - (-1) \\ &= 73 \end{aligned}$$

$$\begin{aligned} & (9 + 2^3 - 8) \times 6 \\ &= (9 + 8 - 8) \times 6 \\ &= (17 - 8) \times 6 \\ &= 9 \times 6 \\ &= 54 \end{aligned}$$

$$\begin{aligned} & (-5) \div 5 \times 8^2 - 6 \\ &= (-5) \div 5 \times 64 - 6 \\ &= (-1) \times 64 - 6 \\ &= (-64) - 6 \\ &= -70 \end{aligned}$$

$$\begin{aligned} & (3 - (-3) + (-10))^3 \div (-8) \\ &= (6 + (-10))^3 \div (-8) \\ &= (-4)^3 \div (-8) \\ &= (-64) \div (-8) \\ &= 8 \\ & (-2)^2 + 2 \times 3 \div 6 \\ &= 4 + 2 \times 3 \div 6 \\ &= 4 + 6 \div 6 \\ &= 4 + 1 \\ &= 5 \end{aligned}$$

$$\begin{aligned} & (-2) + 9 \times 6 - (-3)^2 \\ &= (-2) + 9 \times 6 - 9 \\ &= (-2) + 54 - 9 \\ &= 52 - 9 \\ &= 43 \end{aligned}$$

$$\begin{aligned} & (10 \div (-5)) \times 6^2 + (-3) \\ &= (-2) \times 6^2 + (-3) \\ &= (-2) \times 36 + (-3) \\ &= (-72) + (-3) \\ &= -75 \end{aligned}$$

$$\begin{aligned} & (-3) \times ((-6)^2 + (-4) - 4) \\ &= (-3) \times (36 + (-4) - 4) \\ &= (-3) \times (32 - 4) \\ &= (-3) \times 28 \\ &= -84 \end{aligned}$$

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

$$6 \times 3 - (-9) + 7^2$$

Order of Operations (D) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$\begin{aligned} & 2^2 \times (-10) - 5 + (-5) \\ &= \underline{4 \times (-10)} - 5 + (-5) \\ &= \underline{(-40) - 5} + (-5) \\ &= \underline{(-45) + (-5)} \\ &= -50 \end{aligned}$$

$$\begin{aligned} & (-7)^2 - 8 + 4 \div (-4) \\ &= 49 - 8 + \underline{4 \div (-4)} \\ &= \underline{49 - 8} + (-1) \\ &= \underline{41 + (-1)} \\ &= 40 \end{aligned}$$

$$\begin{aligned} & (-2) + 2^3 - 9 \times (-4) \\ &= (-2) + 8 - \underline{9 \times (-4)} \\ &= \underline{(-2) + 8} - (-36) \\ &= \underline{6 - (-36)} \\ &= 42 \end{aligned}$$

$$\begin{aligned} & (-6) \times ((-5) + (-9) - (-2)^3) \\ &= (-6) \times ((-5) + (-9) - (-8)) \\ &= (-6) \times ((-14) - (-8)) \\ &= \underline{(-6) \times (-6)} \\ &= 36 \end{aligned}$$

$$\begin{aligned} & (-2)^2 \div (-4) + 4 \times 9 \\ &= \underline{4 \div (-4)} + 4 \times 9 \\ &= (-1) + \underline{4 \times 9} \\ &= \underline{(-1) + 36} \\ &= 35 \end{aligned}$$

$$\begin{aligned} & (-7) - 5^2 + (-6) \times (-8) \\ &= (-7) - 25 + \underline{(-6) \times (-8)} \\ &= \underline{(-7) - 25} + 48 \\ &= \underline{(-32) + 48} \\ &= 16 \end{aligned}$$

$$\begin{aligned} & (-4)^2 \times 6 + 3 - 4 \\ &= \underline{16 \times 6} + 3 - 4 \\ &= \underline{96 + 3} - 4 \\ &= \underline{99 - 4} \\ &= 95 \end{aligned}$$

$$\begin{aligned} & (-3) - 3^2 \times 2 + 4 \\ &= (-3) - \underline{9 \times 2} + 4 \\ &= \underline{(-3) - 18} + 4 \\ &= \underline{(-21) + 4} \\ &= -17 \end{aligned}$$

$$\begin{aligned} & 6 \times 3 - (-9) + 7^2 \\ &= \underline{6 \times 3} - (-9) + 49 \\ &= \underline{18 - (-9)} + 49 \\ &= \underline{27 + 49} \\ &= 76 \end{aligned}$$

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.

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

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

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

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

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

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

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

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

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

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

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

$$9 \times 7 - 3 + 6^2$$

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

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

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

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

$$(-5) \times (-10) - 9^2 + 3$$

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

Order of Operations (F) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 8 \times (5 - (-2)^3 + (-10)) \\ &= 8 \times (5 - (-8) + (-10)) \\ &= 8 \times (13 + (-10)) \\ &= 8 \times 3 \\ &= 24 \end{aligned}$$

$$\begin{aligned} & 2 \times 10 - (-4)^3 + (-9) \\ &= 2 \times 10 - (-64) + (-9) \\ &= 20 - (-64) + (-9) \\ &= 84 + (-9) \\ &= 75 \end{aligned}$$

$$\begin{aligned} & 9 \times 2 - 8^2 \div (-2) \\ &= 9 \times 2 - 64 \div (-2) \\ &= 18 - 64 \div (-2) \\ &= 18 - (-32) \\ &= 50 \end{aligned}$$

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

$$\begin{aligned} & (-5) \times (-10) - 9^2 + 3 \\ &= (-5) \times (-10) - 81 + 3 \\ &= 50 - 81 + 3 \\ &= (-31) + 3 \\ &= -28 \end{aligned}$$

$$\begin{aligned} & 2 \times (-7)^2 + (-8) - (-2) \\ &= 2 \times 49 + (-8) - (-2) \\ &= 98 + (-8) - (-2) \\ &= 90 - (-2) \\ &= 92 \end{aligned}$$

$$\begin{aligned} & 9 \times 7 - 3 + 6^2 \\ &= 9 \times 7 - 3 + 36 \\ &= 63 - 3 + 36 \\ &= 60 + 36 \\ &= 96 \end{aligned}$$

$$\begin{aligned} & (-6)^2 + 9 \div 3 - (-10) \\ &= 36 + 9 \div 3 - (-10) \\ &= 36 + 3 - (-10) \\ &= 39 - (-10) \\ &= 49 \end{aligned}$$

$$\begin{aligned} & (-9) + (-5) - (-7) \times 2^3 \\ &= (-9) + (-5) - (-7) \times 8 \\ &= (-9) + (-5) - (-56) \\ &= (-14) - (-56) \\ &= 42 \end{aligned}$$

$$\begin{aligned} & (-6) - (-7)^2 \div 7 \times 5 \\ &= (-6) - 49 \div 7 \times 5 \\ &= (-6) - 7 \times 5 \\ &= (-6) - 35 \\ &= -41 \end{aligned}$$

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

$$6 - 7 \times 3^2 + 2$$

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

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

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

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

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

Order of Operations (G) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}7 - \underline{(-8)^2} \div 4 \times (-4) \\&= 7 - \underline{64 \div 4} \times (-4) \\&= 7 - \underline{16 \times (-4)} \\&= \underline{7 - (-64)} \\&= 71\end{aligned}$$

$$\begin{aligned}7 + \underline{(-7)^2} \times (-2) - 3 \\&= 7 + \underline{49 \times (-2)} - 3 \\&= \underline{7 + (-98)} - 3 \\&= \underline{(-91) - 3} \\&= -94\end{aligned}$$

$$\begin{aligned}6 - 7 \times \underline{3^2} + 2 \\&= 6 - \underline{7 \times 9} + 2 \\&= \underline{6 - 63} + 2 \\&= \underline{(-57) + 2} \\&= -55\end{aligned}$$

$$\begin{aligned}8 - \underline{(-2)^2} + (-10) \times (-9) \\&= 8 - 4 + \underline{(-10) \times (-9)} \\&= \underline{8 - 4} + 90 \\&= \underline{4 + 90} \\&= 94\end{aligned}$$

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

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

$$\begin{aligned}2 \times (-10) - \underline{6^2} \div 9 \\&= \underline{2 \times (-10)} - 36 \div 9 \\&= (-20) - \underline{36 \div 9} \\&= \underline{(-20) - 4} \\&= -24\end{aligned}$$

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

$$\begin{aligned}\underline{(-2)^2} \div 4 - 9 \times 8 \\&= \underline{4 \div 4} - 9 \times 8 \\&= 1 - \underline{9 \times 8} \\&= \underline{1 - 72} \\&= -71\end{aligned}$$

$$\begin{aligned}\underline{(-4)^3} - (-7) + 7 \times 2 \\&= \underline{(-64) - (-7) + 7} \times 2 \\&= \underline{(-57) + 7} \times 2 \\&= \underline{(-50) \times 2} \\&= -100\end{aligned}$$

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations (H) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$\begin{aligned} & 8 \div (-8) \times ((-3)^3 + 6) \\ &= 8 \div (-8) \times ((-27) + 6) \\ &= \underline{8 \div (-8)} \times (-21) \\ &= \underline{(-1) \times (-21)} \\ &= 21 \end{aligned}$$

$$\begin{aligned} & 7 + \underline{(-8)^2} - (-3) \times (-5) \\ &= 7 + 64 - \underline{(-3) \times (-5)} \\ &= \underline{7 + 64} - 15 \\ &= \underline{71 - 15} \\ &= 56 \end{aligned}$$

$$\begin{aligned} & 7 \times ((-9) - \underline{4^2} \div (-4)) \\ &= 7 \times ((-9) - \underline{16 \div (-4)}) \\ &= 7 \times ((-9) - (-4)) \\ &= \underline{7 \times (-5)} \\ &= -35 \end{aligned}$$

$$\begin{aligned} & (-7) \times (-8) + 2 - \underline{(-2)^2} \\ &= \underline{(-7) \times (-8)} + 2 - 4 \\ &= \underline{56 + 2} - 4 \\ &= \underline{58 - 4} \\ &= 54 \end{aligned}$$

$$\begin{aligned} & (-9) - (-3) + \underline{4^2} \times (-4) \\ &= (-9) - (-3) + \underline{16 \times (-4)} \\ &= \underline{(-9) - (-3)} + (-64) \\ &= \underline{(-6) + (-64)} \\ &= -70 \end{aligned}$$

$$\begin{aligned} & (-3) \times 9 - \underline{3^2} + 4 \\ &= \underline{(-3) \times 9} - 9 + 4 \\ &= \underline{(-27) - 9} + 4 \\ &= \underline{(-36) + 4} \\ &= -32 \end{aligned}$$

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

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

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

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

$$(-7) \times (-4) + 6^2 \div (-9)$$

$$(-4)^3 + (-2) \times (-9) - (-7)$$

$$7 - 9 + 5 \times 4^2$$

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

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

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

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

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

Order of Operations (I) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 5 \times (-2)^3 \div (-8) + 2 \\ & = 5 \times (-8) \div (-8) + 2 \\ & = (-40) \div (-8) + 2 \\ & = 5 + 2 \\ & = 7 \end{aligned}$$

$$\begin{aligned} & (-7) \times (-4) + 6^2 \div (-9) \\ & = (-7) \times (-4) + 36 \div (-9) \\ & = 28 + 36 \div (-9) \\ & = 28 + (-4) \\ & = 24 \end{aligned}$$

$$\begin{aligned} & 7 - 9 + 5 \times 4^2 \\ & = 7 - 9 + 5 \times 16 \\ & = 7 - 9 + 80 \\ & = (-2) + 80 \\ & = 78 \end{aligned}$$

$$\begin{aligned} & ((-2) + 3) \times (-6) - 5^2 \\ & = 1 \times (-6) - 5^2 \\ & = 1 \times (-6) - 25 \\ & = (-6) - 25 \\ & = -31 \end{aligned}$$

$$\begin{aligned} & (8 - (-6) + (-10)) \times (-2)^2 \\ & = (14 + (-10)) \times (-2)^2 \\ & = 4 \times (-2)^2 \\ & = 4 \times 4 \\ & = 16 \end{aligned}$$

$$\begin{aligned} & (-3)^3 - (-9) \times 9 + 5 \\ & = (-27) - (-9) \times 9 + 5 \\ & = (-27) - (-81) + 5 \\ & = 54 + 5 \\ & = 59 \end{aligned}$$

$$\begin{aligned} & (-4)^3 + (-2) \times (-9) - (-7) \\ & = (-64) + (-2) \times (-9) - (-7) \\ & = (-64) + 18 - (-7) \\ & = (-46) - (-7) \\ & = -39 \end{aligned}$$

$$\begin{aligned} & 2 \times ((-9) - (-2)^2 + 9) \\ & = 2 \times ((-9) - 4 + 9) \\ & = 2 \times ((-13) + 9) \\ & = 2 \times (-4) \\ & = -8 \end{aligned}$$

$$\begin{aligned} & 5 \times 4^2 + (-9) - (-4) \\ & = 5 \times 16 + (-9) - (-4) \\ & = 80 + (-9) - (-4) \\ & = 71 - (-4) \\ & = 75 \end{aligned}$$

$$\begin{aligned} & ((-5) - (-2))^2 \times 2 \div 6 \\ & = (-3)^2 \times 2 \div 6 \\ & = 9 \times 2 \div 6 \\ & = 18 \div 6 \\ & = 3 \end{aligned}$$

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations (J) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-6) \div 3 + 2^3 - (-8) \\ & = \underline{(-6) \div 3} + 8 - (-8) \\ & = \underline{(-2) + 8} - (-8) \\ & = \underline{6 - (-8)} \\ & = 14 \end{aligned}$$

$$\begin{aligned} & 10 \div (-2) - (-7) + 6^2 \\ & = \underline{10 \div (-2)} - (-7) + 36 \\ & = \underline{(-5) - (-7)} + 36 \\ & = \underline{2 + 36} \\ & = 38 \end{aligned}$$

$$\begin{aligned} & ((-5) + 5 - (-4)^2) \times 3 \\ & = \underline{((-5) + 5 - 16)} \times 3 \\ & = \underline{(0 - 16)} \times 3 \\ & = \underline{(-16) \times 3} \\ & = -48 \end{aligned}$$

$$\begin{aligned} & (-2) \times 8 + 9^2 - 5 \\ & = \underline{(-2) \times 8} + 81 - 5 \\ & = \underline{(-16) + 81} - 5 \\ & = \underline{65 - 5} \\ & = 60 \end{aligned}$$

$$\begin{aligned} & (8 - (-4) + (-8))^2 \times 4 \\ & = \underline{(12 + (-8))}^2 \times 4 \\ & = \underline{4^2} \times 4 \\ & = \underline{16 \times 4} \\ & = 64 \end{aligned}$$

$$\begin{aligned} & (-7) \times (-6) - 6 + 4^2 \\ & = \underline{(-7) \times (-6)} - 6 + 16 \\ & = \underline{42 - 6} + 16 \\ & = \underline{36 + 16} \\ & = 52 \end{aligned}$$

$$\begin{aligned} & (-2)^2 - 6 + (-9) \times (-3) \\ & = 4 - 6 + \underline{(-9) \times (-3)} \\ & = \underline{4 - 6} + 27 \\ & = \underline{(-2) + 27} \\ & = 25 \end{aligned}$$

$$\begin{aligned} & (-4)^2 \div 2 \times 10 + 4 \\ & = \underline{16 \div 2} \times 10 + 4 \\ & = \underline{8 \times 10} + 4 \\ & = \underline{80 + 4} \\ & = 84 \end{aligned}$$

$$\begin{aligned} & 4^2 - (-2) + (-8) \times (-9) \\ & = 16 - (-2) + \underline{(-8) \times (-9)} \\ & = \underline{16 - (-2)} + 72 \\ & = \underline{18 + 72} \\ & = 90 \end{aligned}$$

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