Order of Operations (A)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-6) \div (-2) - (-10) + (-4) \times ((-8) - (-9) + 7)$

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

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

Order of Operations (A) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-6) \div (-2) - (-10) + (-4) \times \left(\underline{(-8) - (-9)} + 7\right)$

$= (-6) \div (-2) - (-10) + (-4) \times (\underline{1 + 7})$

$= \underline{(-6) \div (-2)} - (-10) + (-4) \times 8$

$= 3 - (-10) + \underline{(-4) \times 8}$

$= \underline{3 - (-10)} + (-32)$

$= \underline{13 + (-32)}$

$= -19$

$\left(\left(\underline{(-8) + (-10)}\right) \times (-4)\right) \div (-3) - 10 + 8 \div 4$

$= \left(\underline{(-18) \times (-4)}\right) \div (-3) - 10 + 8 \div 4$

$= \underline{72 \div (-3)} - 10 + 8 \div 4$

$= (-24) - 10 + \underline{8 \div 4}$

$= \underline{(-24) - 10} + 2$

$= \underline{(-34) + 2}$

$= -32$

$\left(\underline{6 \times (-6)}\right) \div ((-8) + (-2) - 4 + 2) \div (-3)$

$= (-36) \div \left(\underline{(-8) + (-2)} - 4 + 2\right) \div (-3)$

$= (-36) \div \left(\underline{(-10) - 4} + 2\right) \div (-3)$

$= (-36) \div \left(\underline{(-14) + 2}\right) \div (-3)$

$= \underline{(-36) \div (-12)} \div (-3)$

$= \underline{3 \div (-3)}$

$= -1$

Order of Operations (B)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-4) \times 9 \div 4 - 3 + (-5) \times (5 - 10)$

$(10 - 6) \div (-2) \times (-6) + 5 \times 4 + (-8)$

$(8 \times 2) \div (-8) - (-9) + (-5) \times ((-10) - (-2))$

Order of Operations (B) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-4) \times 9 \div 4 - 3 + (-5) \times (\underline{5 - 10})$

$= \underline{(-4) \times 9} \div 4 - 3 + (-5) \times (-5)$

$= \underline{(-36) \div 4} - 3 + (-5) \times (-5)$

$= (-9) - 3 + \underline{(-5) \times (-5)}$

$= \underline{(-9) - 3} + 25$

$= \underline{(-12) + 25}$

$= 13$

$(\underline{10 - 6}) \div (-2) \times (-6) + 5 \times 4 + (-8)$

$= \underline{4 \div (-2)} \times (-6) + 5 \times 4 + (-8)$

$= \underline{(-2) \times (-6)} + 5 \times 4 + (-8)$

$= 12 + \underline{5 \times 4} + (-8)$

$= \underline{12 + 20} + (-8)$

$= \underline{32 + (-8)}$

$= 24$

$(\underline{8 \times 2}) \div (-8) - (-9) + (-5) \times ((-10) - (-2))$

$= 16 \div (-8) - (-9) + (-5) \times (\underline{(-10) - (-2)})$

$= \underline{16 \div (-8)} - (-9) + (-5) \times (-8)$

$= (-2) - (-9) + \underline{(-5) \times (-8)}$

$= \underline{(-2) - (-9)} + 40$

$= \underline{7 + 40}$

$= 47$

Order of Operations (C)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(5 \div ((-3) - (-4))) \times ((-10) + (-8) + (-2) - (-9))$

$(-7) - 7 + 9 \times 8 \div (-6) \times ((-3) - 5)$

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

Order of Operations (C) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left(5 \div \left(\underline{(-3)-(-4)}\right)\right) \times ((-10)+(-8)+(-2)-(-9))$

$= \left(\underline{5 \div 1}\right) \times ((-10)+(-8)+(-2)-(-9))$

$= 5 \times \left(\underline{(-10)+(-8)}+(-2)-(-9)\right)$

$= 5 \times \left(\underline{(-18)+(-2)}-(-9)\right)$

$= 5 \times \left(\underline{(-20)-(-9)}\right)$

$= \underline{5 \times (-11)}$

$= -55$

$(-7)-7+9 \times 8 \div (-6) \times \left(\underline{(-3)-5}\right)$

$= (-7)-7+\underline{9 \times 8} \div (-6) \times (-8)$

$= (-7)-7+\underline{72 \div (-6)} \times (-8)$

$= (-7)-7+\underline{(-12) \times (-8)}$

$= \underline{(-7)-7}+96$

$= \underline{(-14)+96}$

$= 82$

$(-5) \times \left(\underline{(-9)+3}\right) \div (-6) - 6 \times (-2) \div 4$

$= \underline{(-5) \times (-6)} \div (-6) - 6 \times (-2) \div 4$

$= \underline{30 \div (-6)} - 6 \times (-2) \div 4$

$= (-5) - \underline{6 \times (-2)} \div 4$

$= (-5) - \underline{(-12) \div 4}$

$= \underline{(-5)-(-3)}$

$= -2$

Order of Operations (D)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

$(9 - 4) \times (-2) + (-6) \div 6 - (-9) \times 8$

$(10 \div (8 - (-2))) \times ((-3) + (-9) - 6) \times (-4)$

Order of Operations (D) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left(10 \div \left(\underline{(-4) - (-6)}\right)\right) \times (-8) + (-2) \times (8 - (-10))$

$= \left(\underline{10 \div 2}\right) \times (-8) + (-2) \times (8 - (-10))$

$= 5 \times (-8) + (-2) \times \left(\underline{8 - (-10)}\right)$

$= \underline{5 \times (-8)} + (-2) \times 18$

$= (-40) + \underline{(-2) \times 18}$

$= \underline{(-40) + (-36)}$

$= -76$

$\left(\underline{9 - 4}\right) \times (-2) + (-6) \div 6 - (-9) \times 8$

$= \underline{5 \times (-2)} + (-6) \div 6 - (-9) \times 8$

$= (-10) + \underline{(-6) \div 6} - (-9) \times 8$

$= (-10) + (-1) - \underline{(-9) \times 8}$

$= \underline{(-10) + (-1)} - (-72)$

$= \underline{(-11) - (-72)}$

$= 61$

$\left(10 \div \left(\underline{8 - (-2)}\right)\right) \times ((-3) + (-9) - 6) \times (-4)$

$= \left(\underline{10 \div 10}\right) \times ((-3) + (-9) - 6) \times (-4)$

$= 1 \times \left(\underline{(-3) + (-9)} - 6\right) \times (-4)$

$= 1 \times \left(\underline{(-12) - 6}\right) \times (-4)$

$= \underline{1 \times (-18)} \times (-4)$

$= \underline{(-18) \times (-4)}$

$= 72$

Order of Operations (E)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$9 + (-3) - 8 \times 7 \div ((-6) + 10 - (-4))$

$(5 \times (6 + (-9) - (-5))) \div 2 - 8 + (-8)$

$9 \times 4 \div (-9) + 10 - (-3) \div ((-8) - (-7))$

Order of Operations (E) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$9 + (-3) - 8 \times 7 \div \left(\underline{(-6) + 10} - (-4)\right)$

$= 9 + (-3) - 8 \times 7 \div \left(\underline{4 - (-4)}\right)$

$= 9 + (-3) - \underline{8 \times 7} \div 8$

$= 9 + (-3) - \underline{56 \div 8}$

$= \underline{9 + (-3)} - 7$

$= \underline{6 - 7}$

$= -1$

$\left(5 \times \left(\underline{6 + (-9)} - (-5)\right)\right) \div 2 - 8 + (-8)$

$= \left(5 \times \left(\underline{(-3) - (-5)}\right)\right) \div 2 - 8 + (-8)$

$= \left(\underline{5 \times 2}\right) \div 2 - 8 + (-8)$

$= \underline{10 \div 2} - 8 + (-8)$

$= \underline{5 - 8} + (-8)$

$= \underline{(-3) + (-8)}$

$= -11$

$9 \times 4 \div (-9) + 10 - (-3) \div \left(\underline{(-8) - (-7)}\right)$

$= \underline{9 \times 4} \div (-9) + 10 - (-3) \div (-1)$

$= \underline{36 \div (-9)} + 10 - (-3) \div (-1)$

$= (-4) + 10 - \underline{(-3) \div (-1)}$

$= \underline{(-4) + 10} - 3$

$= \underline{6 - 3}$

$= 3$

Order of Operations (F)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

$((-9) \times 6) \div 3 - (-8) + 10 + 5 - (-6)$

$((-10) \times (-4)) \div 2 + (-6) - (-7) + 9 - 6$

Order of Operations (F) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left(5 \times \left(\underline{(-9) + (-2)} - 4\right)\right) \div ((-6) - (-5) + 6)$

$= \left(5 \times \left(\underline{(-11) - 4}\right)\right) \div ((-6) - (-5) + 6)$

$= \left(\underline{5 \times (-15)}\right) \div ((-6) - (-5) + 6)$

$= (-75) \div \left(\underline{(-6) - (-5)} + 6\right)$

$= (-75) \div \left(\underline{(-1) + 6}\right)$

$= \underline{(-75) \div 5}$

$= -15$

$\left(\underline{(-9) \times 6}\right) \div 3 - (-8) + 10 + 5 - (-6)$

$= \underline{(-54) \div 3} - (-8) + 10 + 5 - (-6)$

$= \underline{(-18) - (-8)} + 10 + 5 - (-6)$

$= \underline{(-10) + 10} + 5 - (-6)$

$= \underline{0 + 5} - (-6)$

$= \underline{5 - (-6)}$

$= 11$

$\left(\underline{(-10) \times (-4)}\right) \div 2 + (-6) - (-7) + 9 - 6$

$= \underline{40 \div 2} + (-6) - (-7) + 9 - 6$

$= \underline{20 + (-6)} - (-7) + 9 - 6$

$= \underline{14 - (-7)} + 9 - 6$

$= \underline{21 + 9} - 6$

$= \underline{30 - 6}$

$= 24$

Order of Operations (G)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(((-5) - (-4)) \times ((-8) + (-10))) \div (-2) + 7 - 8$

$((-3) \times (-8)) \div (-4) + 8 - 5 + (-10) - (-6)$

$(3 + (-5)) \times (-9) \div 9 - (-4) + 2 - (-8)$

Order of Operations (G) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$$\left(\left(\underline{(-5)-(-4)}\right)\times((-8)+(-10))\right)\div(-2)+7-8$$
$$=\left((-1)\times\left(\underline{(-8)+(-10)}\right)\right)\div(-2)+7-8$$
$$=\left(\underline{(-1)\times(-18)}\right)\div(-2)+7-8$$
$$=\underline{18\div(-2)}+7-8$$
$$=\underline{(-9)+7}-8$$
$$=\underline{(-2)-8}$$
$$=-10$$

$$\left(\underline{(-3)\times(-8)}\right)\div(-4)+8-5+(-10)-(-6)$$
$$=\underline{24\div(-4)}+8-5+(-10)-(-6)$$
$$=\underline{(-6)+8}-5+(-10)-(-6)$$
$$=\underline{2-5}+(-10)-(-6)$$
$$=\underline{(-3)+(-10)}-(-6)$$
$$=\underline{(-13)-(-6)}$$
$$=-7$$

$$\left(\underline{3+(-5)}\right)\times(-9)\div 9-(-4)+2-(-8)$$
$$=\underline{(-2)\times(-9)}\div 9-(-4)+2-(-8)$$
$$=\underline{18\div 9}-(-4)+2-(-8)$$
$$=\underline{2-(-4)}+2-(-8)$$
$$=\underline{6+2}-(-8)$$
$$=\underline{8-(-8)}$$
$$=16$$

Order of Operations (H)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(5 + (-9)) \times 10 \div (-8) - (-10) + 2 \times (-7)$

$(9 \times 4) \div ((-6) - 3 + (-9)) \div (6 - 8)$

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

Order of Operations (H) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left(\underline{5 + (-9)}\right) \times 10 \div (-8) - (-10) + 2 \times (-7)$

$= \underline{(-4) \times 10} \div (-8) - (-10) + 2 \times (-7)$

$= \underline{(-40) \div (-8)} - (-10) + 2 \times (-7)$

$= 5 - (-10) + \underline{2 \times (-7)}$

$= \underline{5 - (-10)} + (-14)$

$= \underline{15 + (-14)}$

$= 1$

$\left(\underline{9 \times 4}\right) \div ((-6) - 3 + (-9)) \div (6 - 8)$

$= 36 \div \left(\underline{(-6) - 3} + (-9)\right) \div (6 - 8)$

$= 36 \div \left(\underline{(-9) + (-9)}\right) \div (6 - 8)$

$= 36 \div (-18) \div \left(\underline{6 - 8}\right)$

$= \underline{36 \div (-18)} \div (-2)$

$= \underline{(-2) \div (-2)}$

$= 1$

$\left(\underline{5 - 7} + (-10)\right) \div 2 \times 8 + 3 - (-8)$

$= \left(\underline{(-2) + (-10)}\right) \div 2 \times 8 + 3 - (-8)$

$= \underline{(-12) \div 2} \times 8 + 3 - (-8)$

$= \underline{(-6) \times 8} + 3 - (-8)$

$= \underline{(-48) + 3} - (-8)$

$= \underline{(-45) - (-8)}$

$= -37$

Order of Operations (I)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(((-3) - (-9)) \div ((-7) + 5)) \times 8 - (-8) \times 10$

$(((-6) + (-10)) \times 3) \div ((-3) - 8 + (-5)) \times 9$

$((-9) \div (6 + (-3))) \times ((-5) - (-7) + (-4) - 2)$

Order of Operations (I) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$$\left(\left(\underline{(-3)-(-9)}\right) \div ((-7)+5)\right) \times 8 - (-8) \times 10$$
$$= \left(6 \div \left(\underline{(-7)+5}\right)\right) \times 8 - (-8) \times 10$$
$$= \left(\underline{6 \div (-2)}\right) \times 8 - (-8) \times 10$$
$$= \underline{(-3) \times 8} - (-8) \times 10$$
$$= (-24) - \underline{(-8) \times 10}$$
$$= \underline{(-24) - (-80)}$$
$$= 56$$

$$\left(\left(\underline{(-6)+(-10)}\right) \times 3\right) \div ((-3) - 8 + (-5)) \times 9$$
$$= \left(\underline{(-16) \times 3}\right) \div ((-3) - 8 + (-5)) \times 9$$
$$= (-48) \div \left(\underline{(-3) - 8} + (-5)\right) \times 9$$
$$= (-48) \div \left(\underline{(-11) + (-5)}\right) \times 9$$
$$= \underline{(-48) \div (-16)} \times 9$$
$$= \underline{3 \times 9}$$
$$= 27$$

$$\left((-9) \div \left(\underline{6+(-3)}\right)\right) \times ((-5) - (-7) + (-4) - 2)$$
$$= \left(\underline{(-9) \div 3}\right) \times ((-5) - (-7) + (-4) - 2)$$
$$= (-3) \times \left(\underline{(-5) - (-7)} + (-4) - 2\right)$$
$$= (-3) \times \left(\underline{2 + (-4)} - 2\right)$$
$$= (-3) \times \left(\underline{(-2) - 2}\right)$$
$$= \underline{(-3) \times (-4)}$$
$$= 12$$

Order of Operations (J)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$2 - (-6) + 8 \times (-4) \div 4 \times ((-9) + 5)$

$(10 + 6) \div 8 - (-5) \times (-10) - 3 + (-9)$

$10 \times (2 + 4) \div (-6) - (-8) + (-10) \div 5$

Order of Operations (J) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$2 - (-6) + 8 \times (-4) \div 4 \times \left(\underline{(-9) + 5}\right)$

$= 2 - (-6) + \underline{8 \times (-4)} \div 4 \times (-4)$

$= 2 - (-6) + \underline{(-32) \div 4} \times (-4)$

$= 2 - (-6) + \underline{(-8) \times (-4)}$

$= \underline{2 - (-6)} + 32$

$= \underline{8 + 32}$

$= 40$

$\left(\underline{10 + 6}\right) \div 8 - (-5) \times (-10) - 3 + (-9)$

$= \underline{16 \div 8} - (-5) \times (-10) - 3 + (-9)$

$= 2 - \underline{(-5) \times (-10)} - 3 + (-9)$

$= \underline{2 - 50} - 3 + (-9)$

$= \underline{(-48) - 3} + (-9)$

$= \underline{(-51) + (-9)}$

$= -60$

$10 \times \left(\underline{2 + 4}\right) \div (-6) - (-8) + (-10) \div 5$

$= \underline{10 \times 6} \div (-6) - (-8) + (-10) \div 5$

$= \underline{60 \div (-6)} - (-8) + (-10) \div 5$

$= (-10) - (-8) + \underline{(-10) \div 5}$

$= \underline{(-10) - (-8)} + (-2)$

$= \underline{(-2) + (-2)}$

$= -4$