Order of Operations (A)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-10) \times 2 - (-7)^2$

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

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

$8 - 5 \times 4^2$

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

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

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

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

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

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

Order of Operations (A) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-10) \times 2 - (-7)^2$
$= (-10) \times 2 - 49$
$= (-20) - 49$
$= -69$

$6 \times 5 + (-4)^2$
$= 6 \times 5 + 16$
$= 30 + 16$
$= 46$

$(-8) \times (-6) - (-5)^2$
$= (-8) \times (-6) - 25$
$= 48 - 25$
$= 23$

$8 - 5 \times 4^2$
$= 8 - 5 \times 16$
$= 8 - 80$
$= -72$

$2^2 \times (-9) - 9$
$= 4 \times (-9) - 9$
$= (-36) - 9$
$= -45$

$3 \times (9 + (-8))^2$
$= 3 \times 1^2$
$= 3 \times 1$
$= 3$

$5 - (-4) \times (-3)^2$
$= 5 - (-4) \times 9$
$= 5 - (-36)$
$= 41$

$10 \times (-5) + (-6)^2$
$= 10 \times (-5) + 36$
$= (-50) + 36$
$= -14$

$(7 - 8) \times 2^2$
$= (-1) \times 2^2$
$= (-1) \times 4$
$= -4$

$(-7) \times (-4) + 2^3$
$= (-7) \times (-4) + 8$
$= 28 + 8$
$= 36$

Order of Operations (B)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

$7 \times 9 - 5^2$

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

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

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

$\left(2-(-2)^2\right) \times 5$

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

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

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

Order of Operations (B) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(7-5)^3 \times (-4)$
$= 2^3 \times (-4)$
$= 8 \times (-4)$
$= -32$

$6^2 + (-6) \times (-7)$
$= 36 + (-6) \times (-7)$
$= 36 + 42$
$= 78$

$7 \times 9 - 5^2$
$= 7 \times 9 - 25$
$= 63 - 25$
$= 38$

$5 \times \left((-4) + 6\right)^2$
$= 5 \times 2^2$
$= 5 \times 4$
$= 20$

$(-2)^2 \times 10 + 8$
$= 4 \times 10 + 8$
$= 40 + 8$
$= 48$

$(2-6)^2 \times (-5)$
$= (-4)^2 \times (-5)$
$= 16 \times (-5)$
$= -80$

$\left(2 - (-2)^2\right) \times 5$
$= (2-4) \times 5$
$= (-2) \times 5$
$= -10$

$3^3 + (-5) \times 9$
$= 27 + (-5) \times 9$
$= 27 + (-45)$
$= -18$

$10 \times (2^3 + (-5))$
$= 10 \times \left(8 + (-5)\right)$
$= 10 \times 3$
$= 30$

$(-9) \times ((-7) + 4^2)$
$= (-9) \times \left((-7) + 16\right)$
$= (-9) \times 9$
$= -81$

Order of Operations (C)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations (C) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

$(-4)^2 + 7 \times (-6)$
$= 16 + 7 \times (-6)$
$= 16 + (-42)$
$= -26$

$(-2) \times 3^2 - (-5)$
$= (-2) \times 9 - (-5)$
$= (-18) - (-5)$
$= -13$

$8 \times (-2) - (-4)^2$
$= 8 \times (-2) - 16$
$= (-16) - 16$
$= -32$

$8 \times ((-6) + 2^2)$
$= 8 \times \left((-6) + 4\right)$
$= 8 \times (-2)$
$= -16$

$(-2)^3 \times 10 - 3$
$= (-8) \times 10 - 3$
$= (-80) - 3$
$= -83$

$5 \times \left(7 + (-2)^3\right)$
$= 5 \times \left(7 + (-8)\right)$
$= 5 \times (-1)$
$= -5$

$6 + 3^2 \times (-4)$
$= 6 + 9 \times (-4)$
$= 6 + (-36)$
$= -30$

$5^2 - (-7) \times 3$
$= 25 - (-7) \times 3$
$= 25 - (-21)$
$= 46$

$5 \times (-8) + 9^2$
$= 5 \times (-8) + 81$
$= (-40) + 81$
$= 41$

Order of Operations (D)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

$(-3)^3 - (-8) \times 4$

$(-4) \times ((-8) + 3^3)$

$\left((-4)^2 - 2\right) \times (-3)$

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

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

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

$(-7) \times ((-5) - (-6))^3$

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

Order of Operations (D) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-2) \times (9 - 3^2)$
$= (-2) \times (9 - 9)$
$= (-2) \times 0$
$= 0$

$(3 - 2) \times (-7)^2$
$= 1 \times (-7)^2$
$= 1 \times 49$
$= 49$

$(-3)^3 - (-8) \times 4$
$= (-27) - (-8) \times 4$
$= (-27) - (-32)$
$= 5$

$(-4) \times ((-8) + 3^3)$
$= (-4) \times ((-8) + 27)$
$= (-4) \times 19$
$= -76$

$((-4)^2 - 2) \times (-3)$
$= (16 - 2) \times (-3)$
$= 14 \times (-3)$
$= -42$

$(-4) \times ((-9) + 2^3)$
$= (-4) \times ((-9) + 8)$
$= (-4) \times (-1)$
$= 4$

$8 - (-3) \times (-5)^2$
$= 8 - (-3) \times 25$
$= 8 - (-75)$
$= 83$

$8^2 - (-5) \times (-7)$
$= 64 - (-5) \times (-7)$
$= 64 - 35$
$= 29$

$(-7) \times ((-5) - (-6))^3$
$= (-7) \times 1^3$
$= (-7) \times 1$
$= -7$

$(-5)^2 + 5 \times 9$
$= 25 + 5 \times 9$
$= 25 + 45$
$= 70$

Order of Operations (E)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

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

$(-8) \times \left((-2)^2 - (-3)\right)$

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

$7 + 3^2 \times 4$

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

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

$(-8) \times 5 - (-4)^2$

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

Order of Operations (E) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-10) + (-8) \times (-2)^2$
$= (-10) + (-8) \times 4$
$= (-10) + (-32)$
$= -42$

$(-2) \times 6 + (-6)^2$
$= (-2) \times 6 + 36$
$= (-12) + 36$
$= 24$

$\left((-6) - 4\right)^2 \div (-4)$
$= (-10)^2 \div (-4)$
$= 100 \div (-4)$
$= -25$

$(-8) \times \left((-2)^2 - (-3)\right)$
$= (-8) \times \left(4 - (-3)\right)$
$= (-8) \times 7$
$= -56$

$(-10) \times (-2)^2 + (-3)$
$= (-10) \times 4 + (-3)$
$= (-40) + (-3)$
$= -43$

$7 + 3^2 \times 4$
$= 7 + 9 \times 4$
$= 7 + 36$
$= 43$

$(-10) + (-9) \times (-2)^2$
$= (-10) + (-9) \times 4$
$= (-10) + (-36)$
$= -46$

$\left((-9) + 8\right) \times 5^2$
$= (-1) \times 5^2$
$= (-1) \times 25$
$= -25$

$(-8) \times 5 - (-4)^2$
$= (-8) \times 5 - 16$
$= (-40) - 16$
$= -56$

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

Order of Operations (F)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

$(10 - (-4)^2) \div (-6)$

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

Order of Operations (F) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$2^2 + (-4) \times 10$
$= 4 + (-4) \times 10$
$= 4 + (-40)$
$= -36$

$(5 + (-5))^3 \div (-10)$
$= 0^3 \div (-10)$
$= 0 \div (-10)$
$= 0$

$(-5)^2 - (-2) \times (-3)$
$= 25 - (-2) \times (-3)$
$= 25 - 6$
$= 19$

$(-2)^3 - (-4) \times (-10)$
$= (-8) - (-4) \times (-10)$
$= (-8) - 40$
$= -48$

$5 + 2^2 \times (-9)$
$= 5 + 4 \times (-9)$
$= 5 + (-36)$
$= -31$

$10 \times (-10) + (-4)^2$
$= 10 \times (-10) + 16$
$= (-100) + 16$
$= -84$

$5 \times (3^3 + (-10))$
$= 5 \times (27 + (-10))$
$= 5 \times 17$
$= 85$

$(-3)^2 \times (-2) - (-10)$
$= 9 \times (-2) - (-10)$
$= (-18) - (-10)$
$= -8$

$(10 - (-4)^2) \div (-6)$
$= (10 - 16) \div (-6)$
$= (-6) \div (-6)$
$= 1$

$2^3 + 5 \div (-5)$
$= 8 + 5 \div (-5)$
$= 8 + (-1)$
$= 7$

Order of Operations (G)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$4^2 - (-10) \times 5$

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

$\left((-9) + 7^2\right) \div 10$

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

$8^2 \div (6 - 4)$

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

$(10 - 7)^2 \times (-2)$

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

$\left((-7) + 7^2\right) \div 3$

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

Order of Operations (G) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$4^2 - (-10) \times 5$
$= 16 - (-10) \times 5$
$= 16 - (-50)$
$= 66$

$(-2) \times (-4) + 9^2$
$= (-2) \times (-4) + 81$
$= 8 + 81$
$= 89$

$((-9) + 7^2) \div 10$
$= ((-9) + 49) \div 10$
$= 40 \div 10$
$= 4$

$(-6)^2 \div ((-9) - (-10))$
$= (-6)^2 \div 1$
$= 36 \div 1$
$= 36$

$8^2 \div (6 - 4)$
$= 8^2 \div 2$
$= 64 \div 2$
$= 32$

$2 \times (-2)^2 + 9$
$= 2 \times 4 + 9$
$= 8 + 9$
$= 17$

$(10 - 7)^2 \times (-2)$
$= 3^2 \times (-2)$
$= 9 \times (-2)$
$= -18$

$(-2)^3 + 5 \times 10$
$= (-8) + 5 \times 10$
$= (-8) + 50$
$= 42$

$((-7) + 7^2) \div 3$
$= ((-7) + 49) \div 3$
$= 42 \div 3$
$= 14$

$(-7)^2 \times (6 + (-4))$
$= (-7)^2 \times 2$
$= 49 \times 2$
$= 98$

Order of Operations (H)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

$10^2 \times ((-5) - (-4))$

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

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

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

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

Order of Operations (H) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$7^2 - (-4) \times 9$
$= 49 - (-4) \times 9$
$= 49 - (-36)$
$= 85$

$7^2 \div (-7) + (-8)$
$= 49 \div (-7) + (-8)$
$= (-7) + (-8)$
$= -15$

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

$(-4)^3 \div 8 + (-2)$
$= (-64) \div 8 + (-2)$
$= (-8) + (-2)$
$= -10$

$(-2)^3 \times (5 - 4)$
$= (-2)^3 \times 1$
$= (-8) \times 1$
$= -8$

$10^2 \times \big((-5) - (-4)\big)$
$= 10^2 \times (-1)$
$= 100 \times (-1)$
$= -100$

$7^2 + (-2) \times 10$
$= 49 + (-2) \times 10$
$= 49 + (-20)$
$= 29$

$6 \times 2^3 - (-4)$
$= 6 \times 8 - (-4)$
$= 48 - (-4)$
$= 52$

$\big(8 + (-4)\big)^2 \times 2$
$= 4^2 \times 2$
$= 16 \times 2$
$= 32$

$4 \times 6 - (-4)^3$
$= 4 \times 6 - (-64)$
$= 24 - (-64)$
$= 88$

Order of Operations (I)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$((-7) - (-5))^3 \div 4$

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

$9 \div 3 - (-9)^2$

$(-7)^2 - (-10) \times (-3)$

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

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

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

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

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

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

Order of Operations (I) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left((-7)-(-5)\right)^3 \div 4$

$= (-2)^3 \div 4$

$= (-8) \div 4$

$= -2$

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

$= (16 - 8) \times (-9)$

$= 8 \times (-9)$

$= -72$

$9 \div 3 - (-9)^2$

$= 9 \div 3 - 81$

$= 3 - 81$

$= -78$

$(-7)^2 - (-10) \times (-3)$

$= 49 - (-10) \times (-3)$

$= 49 - 30$

$= 19$

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

$= (-8) \times (-9) + (-27)$

$= 72 + (-27)$

$= 45$

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

$= (-2) \times 4 - 4$

$= (-8) - 4$

$= -12$

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

$= (-8) \times \left(9 + (-10)\right)$

$= (-8) \times (-1)$

$= 8$

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

$= 4 - (-27) \times 3$

$= 4 - (-81)$

$= 85$

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

$= (-64) - (-6) \div 3$

$= (-64) - (-2)$

$= -62$

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

$= \left(27 + (-7)\right) \times (-2)$

$= 20 \times (-2)$

$= -40$

Order of Operations (J)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

$3 \times \left((-8) - (-2)^2\right)$

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

$(-7) \times (8 - 10)^3$

Order of Operations (J) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$4^2 \times (-3) + 6$
$= 16 \times (-3) + 6$
$= (-48) + 6$
$= -42$

$(-4) + 7 \times 2^3$
$= (-4) + 7 \times 8$
$= (-4) + 56$
$= 52$

$2^3 - (-9) \times (-7)$
$= 8 - (-9) \times (-7)$
$= 8 - 63$
$= -55$

$(-2)^3 \times \left((-5) + (-4)\right)$
$= (-2)^3 \times (-9)$
$= (-8) \times (-9)$
$= 72$

$(-5) \times 7 + 6^2$
$= (-5) \times 7 + 36$
$= (-35) + 36$
$= 1$

$(-8) \div 2^3 - (-5)$
$= (-8) \div 8 - (-5)$
$= (-1) - (-5)$
$= 4$

$(-3) \times (-4) - 2^2$
$= (-3) \times (-4) - 4$
$= 12 - 4$
$= 8$

$3 \times \left((-8) - (-2)^2\right)$
$= 3 \times \left((-8) - 4\right)$
$= 3 \times (-12)$
$= -36$

$(-2)^2 \times \left(2 + (-7)\right)$
$= (-2)^2 \times (-5)$
$= 4 \times (-5)$
$= -20$

$(-7) \times (8 - 10)^3$
$= (-7) \times (-2)^3$
$= (-7) \times (-8)$
$= 56$