Solving Equations with Grouping Symbols

Directions: Solve each equation. You must show **ALL** your work. You may use a calculator.

1) $4(j - 7) = 12$

2) $5(2k + 10) = 40$

3) $7(2p + 3) = -21$

4) $7(g - 4) = 35$

5) $3(4c + 5) = 39$

6) $2(a - 1) = 14$

7) $3(x - 3) + 4x = 12$

8) $2(1.5m + 3) + m = -14$

9) $10(a - {}^5/_{10}) - 5a = 15$

10) $9 = 0.2(3d + 2.1)$

11) $-18.8 = 2(1.4x + 3) - 8$

12) $2(n + 2) - 3n = 9$

Solving Equations with Grouping Symbols

Directions: Solve each equation. You must show **ALL** your work. You may use a calculator.

1) $\dfrac{x - 12}{5} = 6$

2) $\dfrac{x + 21}{-2} = 8$

3) $\dfrac{x + 1}{7} = -3$

4) $\dfrac{2x - 4}{3} = -6$

5) $\dfrac{5x + 15}{4} = 5$

6) $\dfrac{7x - 10}{-11} = -1$

7) $\dfrac{-4x - 8}{10} = -4$

8) $\dfrac{2x + 25}{-9} = -7$

9) $\dfrac{-6x + 12}{-4} = -18$

10) $\dfrac{x - 36}{5.2} = 10$

11) $\dfrac{1.5x + 36}{-2.4} = 5$

12) $\dfrac{7x + 1}{26} = -0.5$