

**Lesson #8 D: Understanding, Solving and Graphing One Variable Equations
(Reference: Lesson #20, #35, #41 & #49 in book)****Problem**

1. For each of the following equations/functions please solve for the variable, then graph then function and find the x and y intercepts and slope.

1. $4y + 6 - 3y - 8 = 2$

2. $5x + 6 - 3x - 8 = -8$

3. $7y + 7 - 5y - 13 = y + 1$

4. $-3x - 13 + 4x + 9 = 2$

5. $4y + 6 - 3y - 8 = 3y + 2$

6. $3(y - 3) - 2y + 3 = 4y + 6$

7. $3(2x - 3) - 2x + 8 = 3x + 3$

8. $3(2y - 1) - 2y + 5 = 3y + 6$

9. $4(y - 3) - 6y + 3 = 2(6y + 3) - 5y + 3$

10. $8(x - 2) - 4x + 8 = 3(x - 2) + 3x - 6$