

**Lesson #8-2: Solving, Graphing and Understanding Linear Equations and Basic Functions
(Reference: Lesson #20, #35, #41 & #49 in book)****Problem**

1. For each of the following equations/functions please convert equations from Standard form ($Ax + By = C$) into Slope-Intercept Form ($y = mx + b$), determine your slope and y-intercept, then graph the linear equation.

1. $x + y = -4$

2. $-3x + y = 6$

3. $4x + y = -1$

4. $-15x - 5y = -10$

5. $14x - 7y = -28$

6. $-6x + 12y = -36$

7. $-2x + 8y = -16$

8. $-3x - 6y = 18$

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

10. $3(2x - 3) - 3y = 2y - 4x + 11$