

**Lesson #8: 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. $x + y = 5$

2. $-2x + y = 4$

3. $3x + y = 2$

4. $6x + 3y = 6$

5. $8x - 4y = -24$

6. $-4x - 2y = -8$

7. $-4x + 8y = 56$

8. $3x - 9y = 27$

9. $4x = -8y + 32$

10. $-5x + 3y = x + 9$