

**Lesson #10 B-4-Solving and Graphing Two Variable Inequalities**  
**(Reference: Lesson #97 in book)****Problem**

1. For each of the following inequalities, please graph the inequalities and shade the solution region of the inequality on the coordinate plane.

1.  $y \leq -3x + 1$

2.  $\frac{1}{2}x + y \geq -4$

3.  $-6x + 9y < -27$

4.  $-8x + 4y > -12$

5.  $-2x + 3y < -9$

6.  $5x - 20y \leq -80$

7.  $12 - 3y \leq -2x$

8.  $-8x + 32 > -16y$

9.  $-12x - 24y < 48$

10.  $21x + 7y \geq -42$