

**Lesson #10 B-3-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.  $y \leq 3x - 2$

2.  $y < -2x + 4$

3.  $3x + y \geq 6$

4.  $-6x + 3y > -9$

5.  $3x + 4y < 12$

6.  $x - 3y \leq 12$

7.  $12 - 4y \leq 6x$

8.  $2x + 6 > -3y$

9.  $-9x - 18y \leq -36$

10.  $12x + 6y \geq -42$

11.  $-18x + 12y > -48$

12.  $15x - 20y < -60$