Name: _____

Graphing Inequalities in Two Variables

Exercise 1: Graph each inequality

1) $y \leq 6$

2) $x \leq -9$

3) $y < x - 4$

4) $y > -x + 3$

5) $3x - 2y > 5$

6) $x + y > 8$

7) $x + 3y > 10$

8) $y < -3x + 1$

9) $y \leq 2(2x + 1)$

10) $x \leq -2(3y - 3)$

11) $-x + y > -2$

12) $y > x$

13) $3y \leq 12(2 - x)$

14) $-3x + 5y > 6$

15) $3 \geq 2(3x - 1) - 4(5x - 3)$

Exercise 2: Write an inequality and graph the solution.

1) The sum of two numbers is greater than five

2) Twice a number is less than or equal to another number

3) The sum of twice a number and half another number is at most four