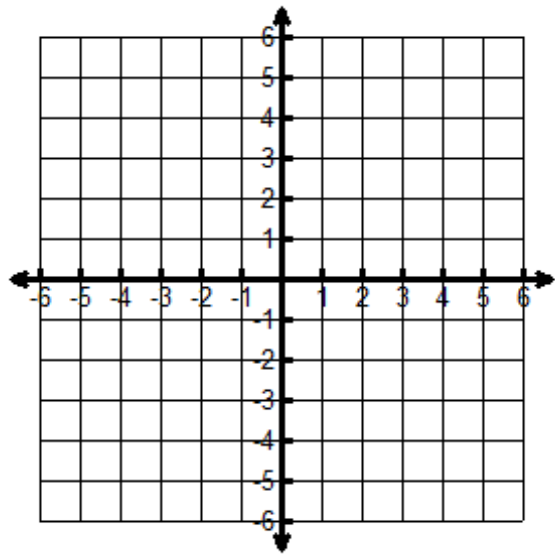
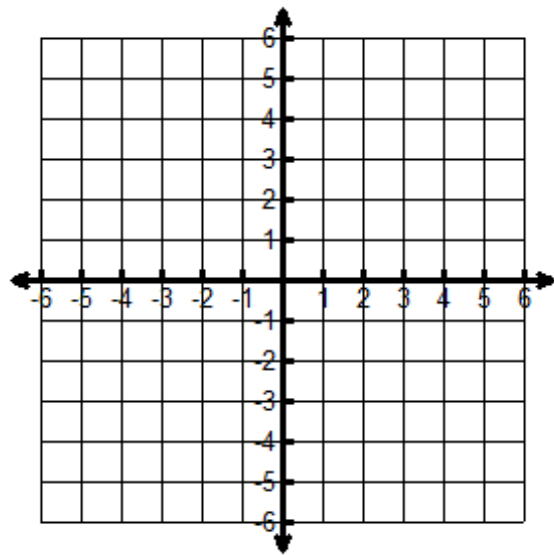


Notes: [4-4] Linear Inequalities in Two Variables

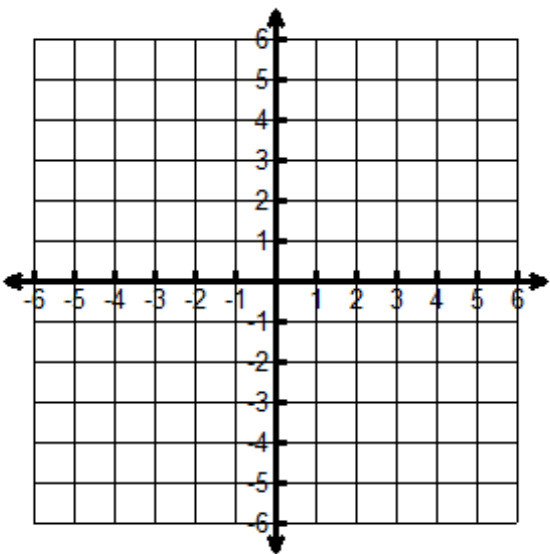
1)  $y \geq -2x - 5$



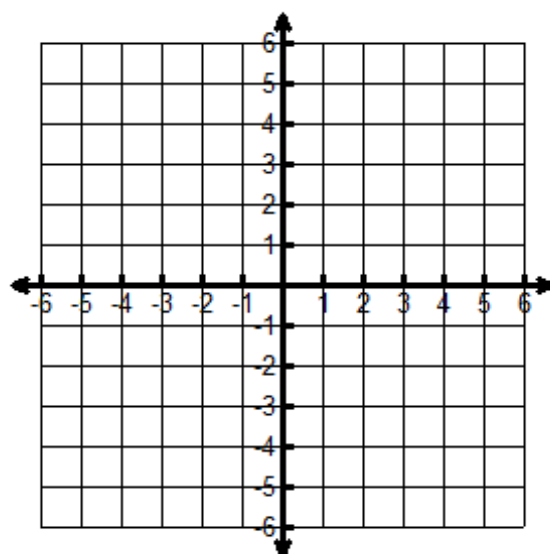
2)  $-8 - 2y > x$  (You MUST solve for y in terms of x.)



3)  $y \leq 4$



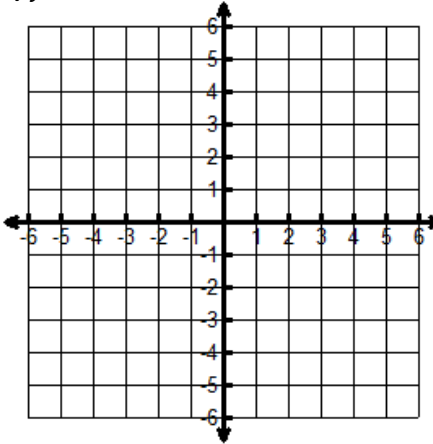
4)  $x > -6$



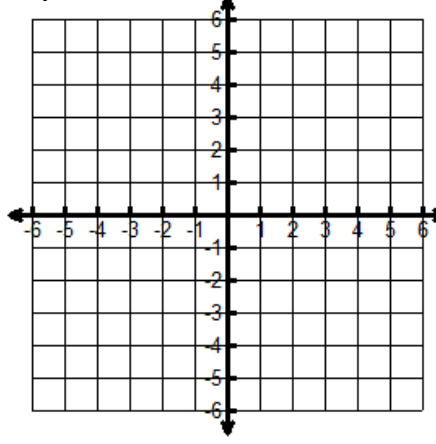
Assignment: [4-4] Linear Inequalities in Two Variables

Name: \_\_\_\_\_

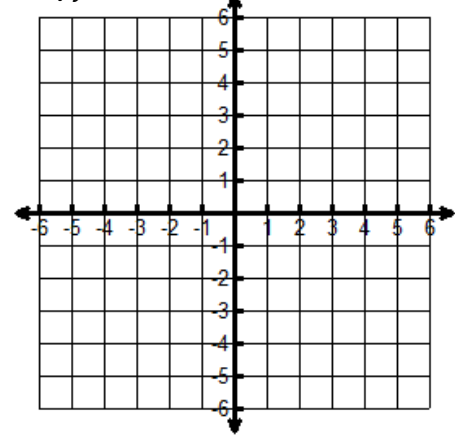
1)  $y > 4$



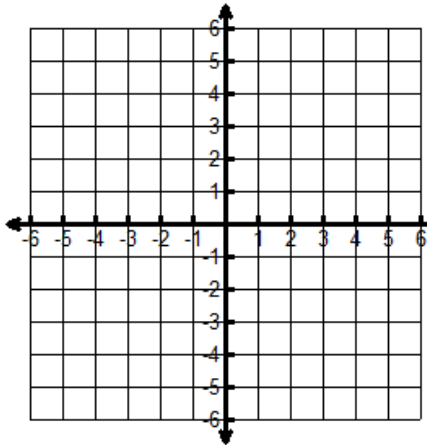
2)  $x \leq 1$



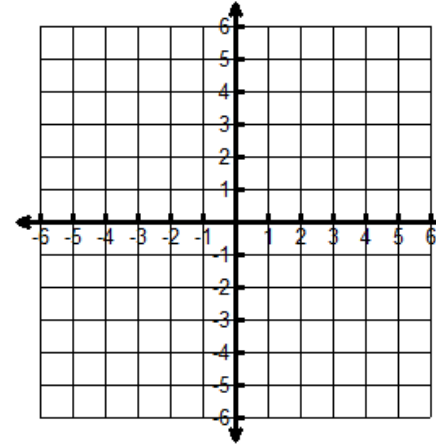
3)  $y < 0$



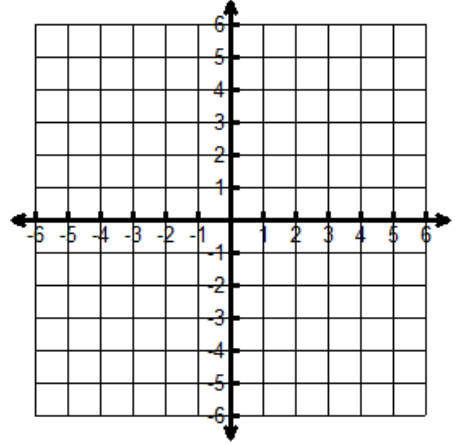
4)  $x \leq -4$



5)  $y > -x + 1$

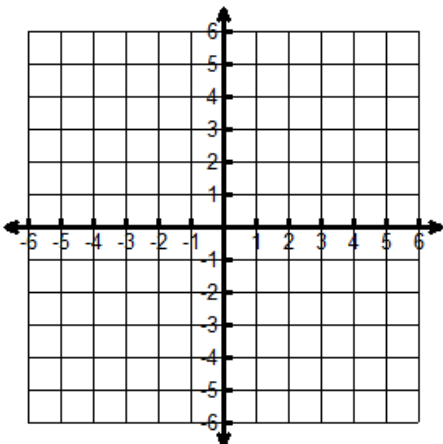


6)  $y \geq 1 - 3x$

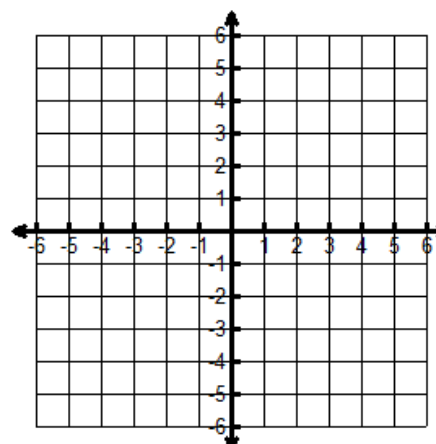


You MUST transform the inequalities to slope-intercept form first!

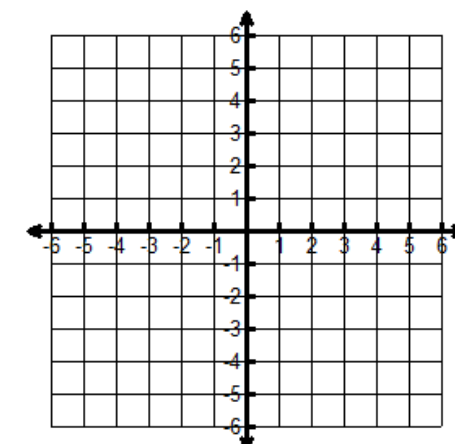
7)  $x - y \geq 3$



8)  $2x + y > -4$



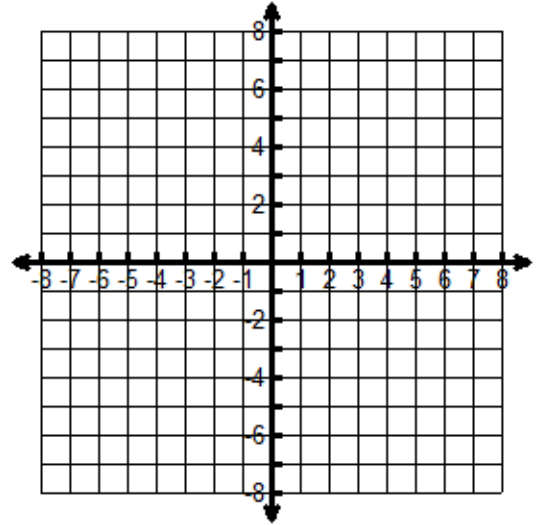
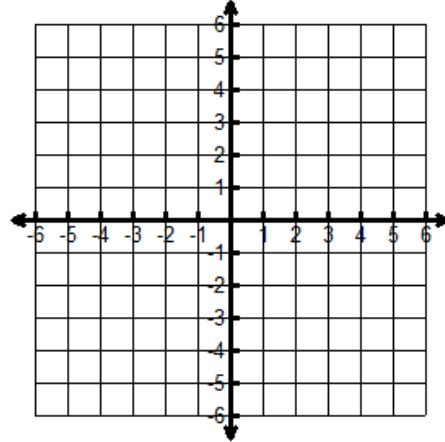
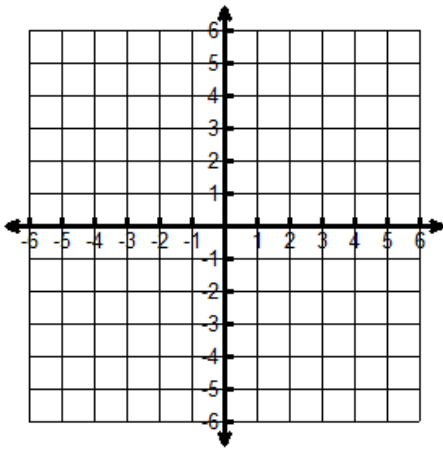
9)  $y - 2x \leq -3$



10)  $3y - 2x < 0$

11)  $3y - 1 > 2x - 7$

12)  $5y - 8 < 2(x + 2y)$



Write an equality whose graph is shown.

13)

14)

15)

16)

17)

18)

19)

20)

21)