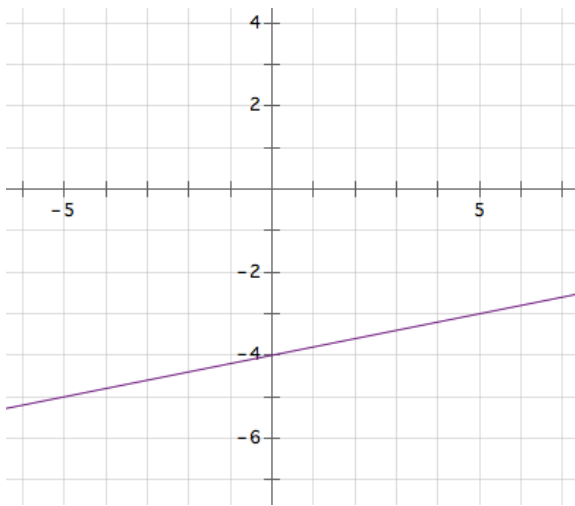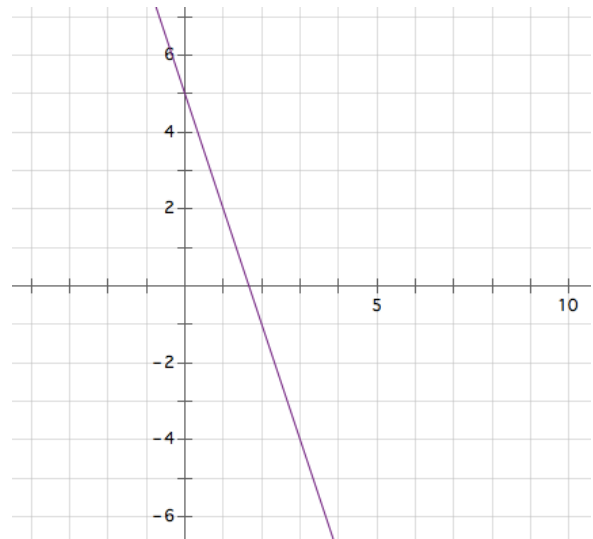## Ready, Set, Go!

Ready

For each inequality and graph, pick a point and use it to determine which half-plane should be shaded, then shade the correct half-plane.

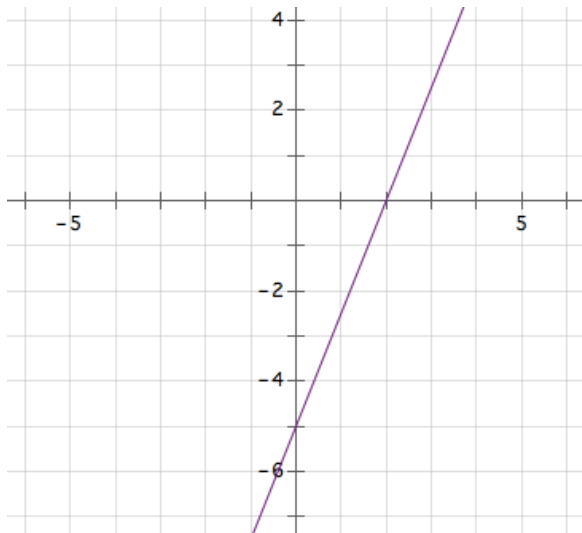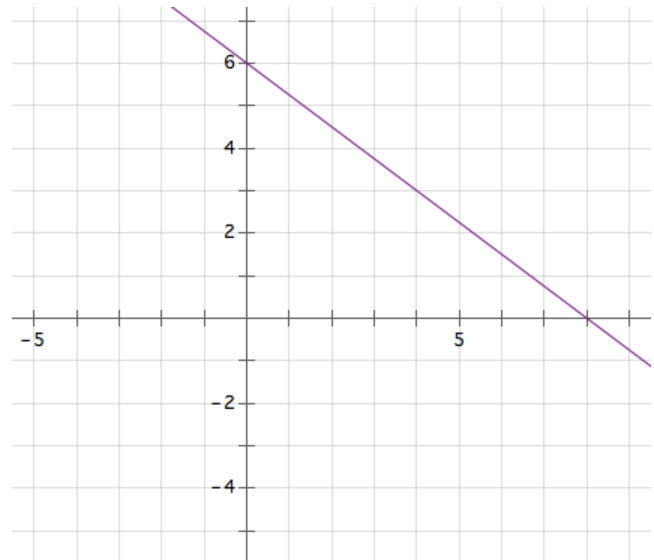1. $y \le \dfrac{1}{5}x - 4$

2. $y \ge -3x + 5$

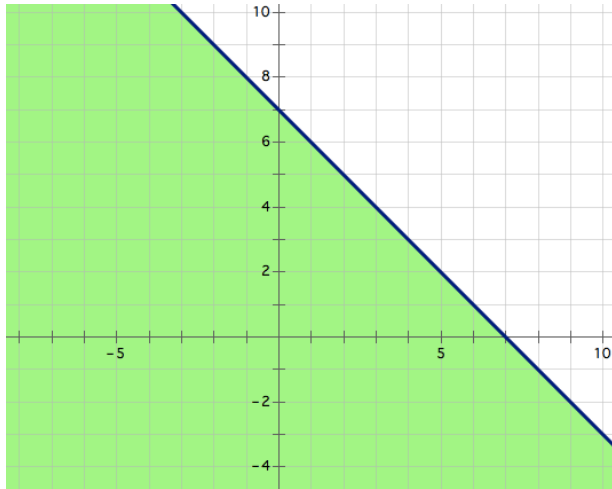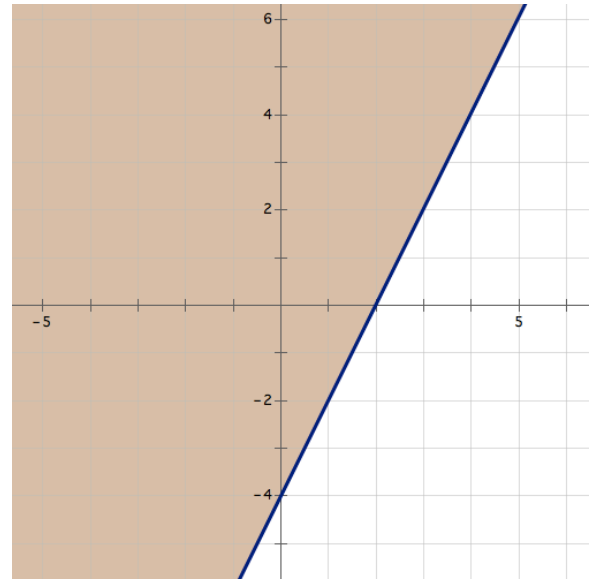3. $5x - 2y \le 10$

4. $3x + 4y \ge 24$

Set

Given the graph with the regions that are shaded write the inequality or system of inequalities.
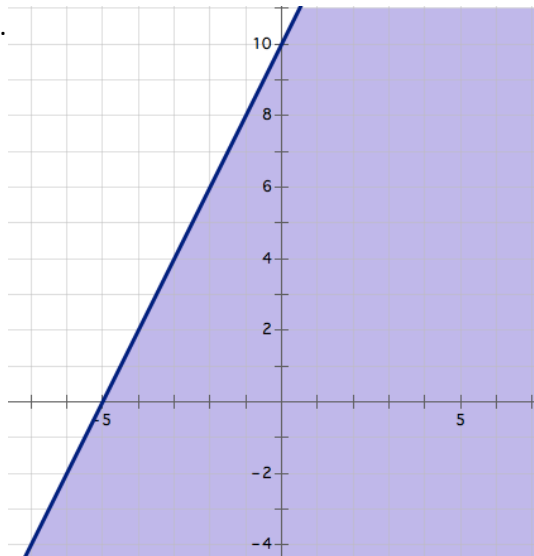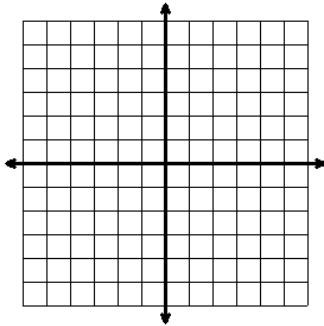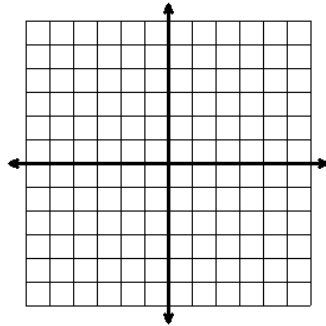
5.

6.

7.

Go

Graph the following inequalities.

8. $y \le 3x - 4$

9. $y < -2x + 3$
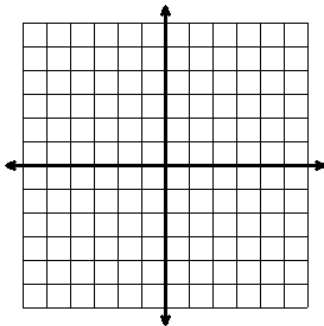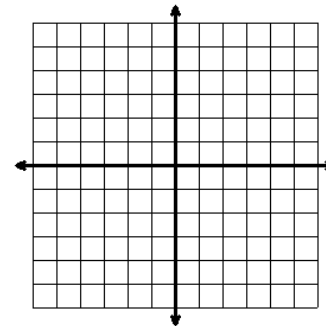
10. $y \ge 4x - 3$
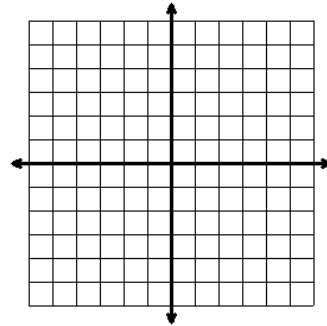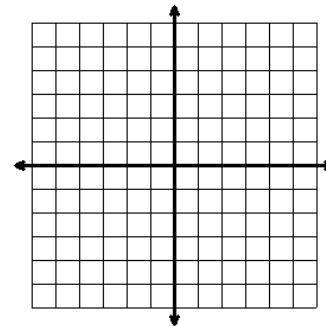
11. $3x + 4y < 12$

12. $5x + 4y \le 25$

13. $6x + 8y \le 24$

Graph the following equations and inequalities by finding their x and y intercepts.

1.	2y + 4x = 10 y-intercept: x-intercept:	-2x + y = 1 y-intercept: x-intercept:	
2.	y + 2x = 6 y-intercept: x-intercept	4x + 2y = 12 y-intercept: x-intercept:	
3.	3x + 6y = 12 y-intercept: x-intercept	4x + 8y = 8 y-intercept: x-intercept	
4.	y + x = 6 y-intercept: x-intercept	3y - 9x = -18 y-intercept: x-intercept	