Name: _____

Date: _____

Learning Goal 7.1 Solve systems of linear equations graphically.

What is a solution?

Example Is the point (-1,1) a solution to:

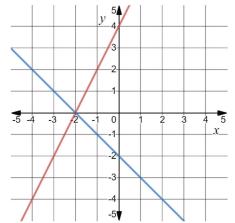
$$7x + 6y = 1$$
$$x + 2y = -3$$

Justify your answer.

Example Find the solution to each of the following systems:

a.		
	X	у
	-4	0
	-2	-2
	0	-4
	2	-6
	4	-8

х	у
-2	-14
-1	-12
0	-10
1	-8
2	-6



Example Solve the following system graphically. Check your solution.



Example A school raised \$140 by collecting 2000 cans and glass bottles for recycling. The school received 5¢ for a can and 10¢ for a bottle. How many cans and bottles were returned?