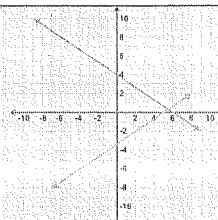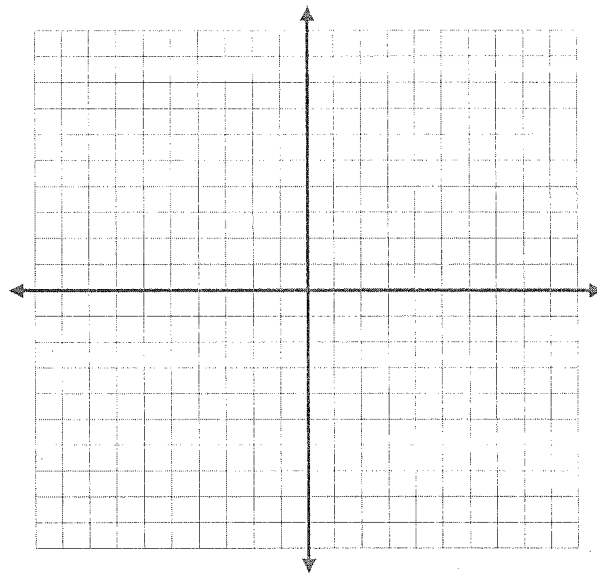# Exploring a System

Day 1: In groups solve the system you are given by: graphing, substituion and elimination. Check your solution. Then write a possible situation (word problem) that that can be used to represent this situation. Create a poster board that shows your work for all 5 (graphing, substitution, elimination, checking your solution and writing a word problem. Also on the index card write your word problem on the opposite side of your system.

Group ___:

Solve the system of linear equations by graphing.

Solve the system of linear equations by substitution.

Solve the system of linear equations by elimination.

Check the system of linear equations

Write a possible situation (word problem) for your system

Day 2: Write the system for each group's situation (word problem)			
<u>Group 1:</u>	<u>Group 2:</u>	<u>Group 3:</u>	<u>Group 4:</u>
<u>Group 5:</u>	<u>Group 6:</u>	<u>Group 7:</u>	<u>Group 8:</u>

Grid for poster board. Only
need one per group.