Solving the Internet’s Problems

Assignment: You must go online and search around for a real-world problem that can be solved using a system of equations (must have two or more unknown variables). The problem could be one from the news, from an educational site, or from an online textbook site. Once you’ve found a problem, you must have it approved by the teacher. Follow the steps to complete the project.

1. Choose a problem from an online credible source. And get it approved by the teacher.
2. Summarize the problem in a paragraph. Make sure to include the important information (unknown variables, given information, etc.). Print out the page and finish the rest of the steps in pencil.
3. Highlight the unknown variables and underline the numbers/coefficients for said variables.
4. Write out the system of equations.
5. Solve the system using graphing.
6. Solve the system using substitution.
7. Solve the system using elimination.
8. Answer the following questions.
   1. Was there only one solution? Was there no solution?
   2. What was the solution? Write it out in complete sentences and relating it back to the original problem.
   3. Which method was easiest for your chosen system of equations? Why?
   4. Does the solution make sense to the problem?