Math 1513 - College Algebra
Written Assignment 14 - Due 2012.04.21

Directions: Please answer the following question in complete sentences. Be sure to label all geometric objects in any illustrations. I will accept an answer in a scanned image format, in a Word document or as a pdf.

Problem: Give an very thorough description/algorithm of how one solves a system of m linear equations which have n variables. Important questions to answer in this process: (1) What happens when $m < n$, $m = n$, $m = n$? (2) What guarantees a solution, a unique solution, no solution? (3) What hiccups may arise in your general approach to solving the system of equations?