

Math 1513 - College Algebra

Written Assignment 8 - Due 2012.07.27

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: Find the values of a and b such that the following system has solution $(1, -2, 3)$.

$$\left[\begin{array}{ccc|c} 1 & a & b & 1 \\ 2b & 2a & 5 & 13 \\ 2a & 7 & 3b & -8 \end{array} \right]$$