

Math 1513 - College Algebra

Written Assignment 3 - Due 2019.09.15

Directions: Please answer the following question in complete sentences and show ALL work. Be sure to label all geometric objects in any illustrations. I will accept an answer in a scanned image format, as a pdf, or sent from your awesome picture phone. Do NOT send a Microsoft Word document, and be sure to submit your work through BlackBoard.

Question: If the lines $2y + 6x = 1$ and $a \cdot y - 5x = 7$ are perpendicular, what is the value of a ? Also, at what point do the two lines intersect? Finally, graph both lines and their point of intersection.