

Math 1513 - College Algebra

Written Assignment 3 - Due 2020.02.02

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** submit work in Microsoft Word document format. Be sure to submit your work through BlackBoard.

Question: If the lines $5y + 4x = -1$ and $a \cdot y - 3x = 2$ 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.