

Math 1513 - College Algebra

Written Assignment 3 - Due 2016.06.26

Directions: Please answer the following question in complete sentences. Be sure to label all geometric objects in any illustrations (if any). I will accept an answer in a scanned image format, as a pdf, or as a picture taken and sent from your awesome smart phone.

Question: If the lines $4y + 3x = -5$ and $5y + ax = -2$ 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.