

Math 1513 - College Algebra

Written Assignment 5 - Due 2019.02.17

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.

For what value of a will five of the six real roots of $6x^6 + 7x^5 - 43x^4 - 15x^3 + 49x^2 + ax - 12$ be shared by the polynomial $2x^5 + x^4 - 15x^3 + 5x^2 + 13x - 6$?