

Math 1513 - College Algebra

Written Assignment 6 - Due 2017.07.16

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: For what value of a will four of the five real roots of $24x^5 - 26x^4 - 37x^3 + 36x^2 + 13x - a$ be shared by the polynomial $6x^4 + x^3 - 8x^2 - x + 2$?