

Math 1513 - College Algebra

Written Assignment 4 - Due 2019.09.22

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.

Sketch the graph of the following piecewise function:

$$f(x) = \begin{cases} 2x - 3, & -4 \leq x < -1 \\ |2x + 1|, & -1 \leq x \leq 2 \\ -3, & x = 3 \\ \frac{1}{3}x^2 - 3, & x > 3 \end{cases}$$