

# Math 1513 - College Algebra

## Written Assignment 4 - Due 2020.02.09

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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.

Sketch the graph of the following piecewise function:

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