

# Math 1513 - College Algebra

## Written Assignment 8 - Due 2018.03.11

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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.

Sketch the graph of the following piecewise function:

$$f(x) = \begin{cases} -2x + 3, & -4 \leq x < -1 \\ |2x - 1|, & -1 \leq x \leq 2 \\ 5, & x = 3 \\ 3x^2 - 1, & x > 3 \end{cases}$$