

# Math 1513 - College Algebra

## Written Assignment 7 - Due 2015.10.04

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Directions: Please answer the following question in complete sentences. 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.

Question: Sketch the graph of the following piecewise function:

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