Math 1513 - College Algebra

Written Assignment 8 - Due 2010.10.10

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, in a Word document or as a pdf.

Question: Sketch the graph of the following piecewise function:

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