Group work #6: Graphing a Polynomial with the 10-step Method

Math 163A Sections 02 and 04 (Barsamian) Friday, October 28, 2005

Let $f(x) = x^3 - 3x^2 - 9x + 27 = (x+3)(x-3)^2$. Using the 10-step method, sketch a graph of f, showing all the important points that we have learned about so far this quarter. Those include axis intercepts, local extrema, and points of inflection. Label your steps.