

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

Math 163A Section 01 (Barsamian) February 15, 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.