

Math 163A Class Drill 6: Graphing a Polynomial

Let $f(x) = x^3 - 3x^2 - 9x + 27 = (x+3)(x-3)^2$. 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.