

Math 301 Group Project #3:

Sketch the graph of the function and label:

- All x and y -intercepts
- All relative extrema (maximums and minimums)
- All inflection points
- All vertical, horizontal, and slant asymptotes

Required: pg. 226 #9, 4.6 #33

Optional, but recommended for test review: pg. 226 #13, 21 and 4.6 #19, 29

Required: pg. 152 #61, 3.7 #23

Optional, but recommended for test review: 3.7 #25, 27

Remember to review finding the first and second derivatives implicitly and to review all the problems on the first test (after you have mastered the problems listed above).

Remember to bring on Tuesday:

- Your index card (or paper cut to the size of a large index card)
- A calculator
- Blank scratch paper
- Your notes and homework for 3.6-4.6