

MAT A37: REMARKS ON FIRST MIDTERM

In preparation for the midterm, you should be comfortable with the following, as a minimum.

- (1) The formal definition of limits and continuity (given in Spivak, Chapters 5 and 6).
- (2) Both the intuitive (i.e. geometric) and formal (i.e. limit) definitions of the derivative.
- (3) Higher derivatives, i.e. f'' , f''' , ...
- (4) The proof of the squeeze theorem.
- (5) Trigonometric functions: continuity, differentiability, etc.
- (6) Radians versus degrees!