ANALYSIS QUALIFYING EXAM

JUNE 202

REAL ANALYSIS

Answer all 4 questions. In your proofs, you may use any major theorem, except the fact you are trying to prove (or a variant of it). State clearly what theorems you use. Good luck.

Question 1 (30 points) a) Let f_n : \mathbb{R} be a sequence of (\mathbb{M}

COMPLEX ANALYSIS