

MATH 1101 HOMEWORK 4
Due 5:00 PM May 2, 2006

1. (a) Carefully state the Extreme Value Theorem.
(b) Carefully state and prove Rolle's Theorem. (You'll have to use the Extreme Value Theorem in the proof.)
(c) Carefully state and prove the Mean Value Theorem.
2. 4.2.21
3. 4.2.22