

MthT 430 Problem Set 10

In class November 7, 2007 – Turn in November 14, 2007

A typed paper is preferred, but a neat hand written paper is OK.

Group Work Rules:

- You are encouraged to work together!
- Away from the group, do your own neat write up of the problems.
- Acknowledge the group members and any other person/resource you use.

Problems from Spivak

1. Spivak Chapter 9, Problem 1. Be sure to specify the domain of f' .
2. Spivak Chapter 9, Problem 3. As in Problem 1, prove, working directly from the definition, ... Be sure to specify the domain of f' .
3. Spivak Chapter 9, Problem 3, with \sqrt{x} replaced by $\sqrt[3]{x}$. As in Problem 1, prove, working directly from the definition, ... Be sure to specify the domain of f' .
4. Spivak Chapter 9, Problem 5. Be sure to specify the domain of f' .