MTH 201

MULTIVARIABLE CALCULUS AND DIFFERENTIAL EQUATIONS

Assignment-3, Due date 09/09/2016

Problem 1. 7, 29, 44 from Exercises 14.1

Problem 2. 50, 55, 56, 60, 64, 66 from Exercises 14.2

Problem 3. 50, 58 from Exercises 14.3

Problem 4. Let D be an open subset of $\mathbb{R}^2$ and $f : D \to \mathbb{R}$ be a function. Let $a \in D$ be a point in D and total derivative of f exists at a. Show that f is contonous at a.

Practice Problems

Problem-1. Solve 44, 62, 68 from Exercises 14.2

Problem-2. Solve 27, 31 from Excercise 14.4

Note: Please do not submit practice problems. You can discuss it in tutorial class.

Text Book: Thomas' Calculus 11th edition (Maurice D. Weir, Joel Hass, Frank R. Gioedano).