

Homework Assignment for Week 09

1. Section 14.6: Problems 5, 9, 13, 19, 25(b), 33, 39(a), 45, 53, 55, 57, 58.

Remark: For problems 39 and 45, see items 1 and 2 on page 859.

2. Section 14.7: Problems 1, 19, 39, 43, 49, 51.

3. (Homework for next week): Section 14.7: Problems 31, 35, 44.

Hint for problem 44: Do this problem using the gradient analysis. That is, plot ∇f near the critical point to determine whether the critical point is a local minimum, local maximum or neither.