

# Assignment 13 (5/2)

Subhadip Chowdhury

## Problem 1

Problems 11.3.(5, 6, 13, 14, 18, 21, 22, 29, 32, 41, 43, 44, 54, 55, 57).

Note:  $\text{Proj}_{\mathbf{v}}\mathbf{u}$  means the orthogonal projection of  $\mathbf{u}$  onto  $\mathbf{v}$ .