

MATH 810: PROJECT II
DUE: OCT. 12 TH, 2017

(1) 6.4/page 50

(2) 7.5/page 57

Hint: Consider using Exercise 7.2

(3) 7.6/page 57

(4) 7.7/page 57

(5) 7.11/page 58

(6) 7.16/page 58

Hint: Show first that you can reduce matters to $f_n \geq 0$.

(7) 7.17/page 58

(8) 7.18/page 58

(9) 7.19/page 58

(10) 7.23/page 58

Hint: Use the fact that you can approximate (in appropriate sense) χ_A by continuous functions.