Math 645 - Homework 9 - Due Friday, April 12, 2013

1. Prove Thm 3 (12) p.438 of Evans.

2. Prove Thm 3 (13) p.438 of Evans.

3. Prove the following statement from class:

   It follows from the closed graph theorem that

   $$R_\lambda : X \to D(A) \subset X,$$

   is a bounded linear operator.