Math 644   -   Homework 5   -   Due Friday, Oct. 12, 2012

1. Solve Evans, Problem 11 in Chapter 2. (Kelvin transform.)

2. Solve Evans, Problem 12 in Chapter 2. (Scaling, etc.)

3. Solve Evans, Problem 13 in Chapter 2. (Heat Kernel on $\mathbb{R}$.)

4. Solve Evans, Problem 14 in Chapter 2. (Heat Eq with damping.)

5. Solve Evans, Problem 15 in Chapter 2. (Heat Eq with boundary.)

6. Solve Evans, Problem 16 in Chapter 2. (Maximum Principle.)