Lecture 8: Harmonic Functions.
We did sections 2.2 Introduction, 2.2.2 and 2.2.3ab(def) in Evans book, giving the classical properties of harmonic functions. We already done 2.2.1 Fundamental solution.

- Physical interpretation of Laplace equation.
- Mean value formula for harmonic functions with proof.
- Strong Maximum principle for harmonic functions with proof.
- Uniqueness for the Dirichlet problem with proof.
- Interior smoothness with proof.
- (Estimates on Derivatives) just mentioned the result.
- (Analyticity) just mentioned the result.

Problems from Evans page 85-86. Problems 2, 3, 4, 6