Homework 3
(due Friday, February 7)

From Beals:
- Redo 10B 1
- 11A 1, 3, 4, 5, 6
- 11B 2

Advice: for 11A-6 I highly recommend following Beals hint. Note that if you fix $k \in \mathbf{N}$ the sequence of sets $(E_{n,k})_{n \geq 1}$ that he defines must decrease to $\emptyset$ as $n \to \infty$. And, as you might recall, Lebesgue measure is continuous under decreasing limits.