

MATH 4280 Homework Assignment 4

Due on Wednesday, October 11th, at the BEGINNING of class.

Section 2.1: 6, 8, 10 (For 10, please ONLY prove part (a) of Proposition 2.11.)

Section 2.2: 12, 14 (For 12, I don't see how the hint helps, so I'd ignore it. A more useful hint might be to consider the sets $\{x : f(x) > \frac{1}{n}\}$. For 14, please ONLY prove that λ is a measure, NOT the formula for $\int g d\lambda$. You can use the Monotone Convergence Theorem though we have not yet proved it.)