

## PROBLEM SET 7

From Folland's book # 6.1 pages 186, 187. Do problems: 1, 3, 6, 7, 9, 10, 12..

From Folland's book # 6.3 page 196. Do problem: 31.

From Folland's book # 6.4 page 199. Do problems 38, 39.

**Suggestion:** Besides the class notes I distributed; you might want to read:

**From Folland:**

- (1) Section 6.1 (all), Prop. 6.17 in Section 6.3, Propositions 6.22, 6.23 and 6.24 in Section 6.4
- (2) Page 238 (Lemma 8.4 and Proposition 8.5) in Section 8.1.

**Also useful:**

**From W. Rudin's book , 'Real and Complex Analysis':**

- (3) Theorem 3.13, 3.14 and following Remarks on pages 70 and 71.