## PROBLEM SET 2

## Due date to be announced

Do any 8 of the following problems. Every problem is worth 10 points.

**Problem 1.** Royden/Fitzpatrick, Chapter 3. Section 3.1: No. 4, 8 (extra credit), 9, 11 (extra credit). Section 3.2: No. 14 + No. 15 (one problem), 21, 22 (extra credit), 24. Section 3.3: No. 25, 27, 29.