PROBLEM SET 4 **Due date to be announced**

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

Royden/Fitzpatrick, Chapter 5, Problem 5 (extra credit), 8 (extra credit), 13 (extra credit), 14 (extra credit), 17 (extra credit).
Royden/Fitzpatrick, Chapter 6, Problem 9 (extra credit); 10; 15; 19; 23 (extra credit); 33; 35 (extra credit); 38 and 39 and 40 (one problem, all extra credit); 41; 42 (extra credit); 44 (extra credit); 50; 52; 54 (extra credit); 56 (extra credit); 58; 59 (extra credit); 61.