Math 624, Spring 2014: Problem set 3

- 1. Problem 10, p. 147
- 2. Compute the positive and negative variation of $f(x) = x^3 |x|, -1 \le x \le 1$ and $f(x) = \cos(x)$ for $0 \le x \le 2\pi$.
- 3. Problem 11, p. 147
- 4. Problem 13, p. 147
- 5. Problem 15, p. 148
- 6. Show that an absolutely continuous function $f:[a,b]\to\mathbb{C}$ is of bounded variation.
- 7. Problem 19, p. 148
- 8. Problem 20, p. 149