

Solve the following problems from Srednicki.

- 1** (15 points) Problem 11.1 on page 87.
- 2** (15 points) Problem 11.2 on page 87.
- 3** (15 points) Problem 11.3 on pages 88.
- 4** (15 points) Problem 11.4 on pages 89.
- 5** (20 points) Problem 14.5 on pages 106.
- 5** (20 points) Problem 14.6 on pages 106.