

1 (15 points) Give the details of the derivation of Eq. 38.18 on pages 240 of Srednicki.

Solve the following problems from Srednicki.

2 (20 points) Problem 37.1 on page 236.

3 (15 points) Problem 38.1 on page 243.

4 (15 points) Problem 38.2 on pages 243.

5 (15 points) Problem 38.3 on pages 243.

6 (20 points) Problem 38.4 on pages 243.