Homework set - 5

due on Thursday, December 3, 2:15pm

1) Problem 47.1 from Srednicki

2) Problem 47.2 from Srednicki.

3) Problem 47.3 from Srednicki

4) Problem 48.2 from Srednicki

5) Problem 48.4 a) and d) from Srednicki (explanation part not graded)
the interaction for a) part is:
\[ \mathcal{L}_1 = g\varphi \bar{\Psi} \Psi \]

6) Problem 48.5 from Srednicki