

PHY 5669 : Quantum Field Theory B, Spring 2015

February 19<sup>th</sup>, 2015

Assignment # 3

(due Thursday February 26<sup>th</sup>, 2015)

1. Problem 48.4 of Srednicki's book.
2. Problem 51.1 of Srednicki's book.
3. Problem 59.1 of Srednicki's book.

### **Extra Projects**

These are suggested extra projects that will not be graded, but could be very beneficial to HEP graduate students. There is no deadline and you are welcome to come and discuss them with me at any time.

1. Problem 48.1 of Srednicki's book. Extend it to solve Problem 48.2, 48.3, as well as 59.1, 59.2, 59.3.
2. Study Section 50 of Srednicki's book and solve the problems therein.
3. Study Section 60 of Srednicki's book and solve the problems therein.