PHY 5669 : Quantum Field Theory B, Spring 2010

February 11th, 2010
Assignment # 3
(due Thursday February 25th, 2010)

1. Problem 48.2 of Srednicki's book.

2. Problem 48.4 of Srednicki's book.

3. Problem 51.1 of Srednicki's book.

4. Problem 52.1 of Srednicki's book.

5. **Extra credit**: Problem 51.3 of Srednicki's book (no deadline).

6. **Extra credit**: Problem 52.2 of Srednicki's book (no deadline).

7. **Extra credit**: Problem 52.3 of Srednicki's book (no deadline).

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 and 48.3.

2. Study Section 50 of Srednicki's book and solve the problems therein.