

PHY 5667 : Quantum Field Theory A, Fall 2019

September 19<sup>th</sup>, 2019

Assignment # 3

(due Thursday October 3<sup>rd</sup>, 2019)

1. Problem 6.1 of Srednicki's book.
2. Read the example of the harmonic oscillator in Chapter 7 of Srednicki's book and work out Problems 7.1 and 7.2.
3. Verify Eqs. (7.17) and (7.18) of Srednicki's book.