

## **Problem Set 1**

PHY 781 - Spring 2016

Assigned: Thursday, Jan. 21 Due: Thursday, Jan. 28

### **Problem 1: Energy Momentum Tensor, Noether's Theorem**

Peskin, Problem 2.1

### **Problem 2: Quantization of Complex Scalar Fields**

Peskin, Problem 2.2

Please write down how many hours you spent on this problem set.