

**P621—Quantum Field Theory**  
**Fall, 2010**  
**Problem Set 4**  
**Due: Tuesday, November 9**

- 1.) Problem 34.3 from Srednicki.
- 2.) Problem 34.4 from Srednicki.
- 3.) Problem 35.1 from Srednicki.
- 4.) Problem 35.2 from Srednicki.
- 5.) Problem 36.3 part (a) from Srednicki.
- 6.) Problem 36.5 from Srednicki. You must explain (at least briefly) your reason, not just state the invariance group.