Problem Set 9 (due May 4, 2015)

1. **(Renormalization group flows)** Problem 27.1 Srednicki

2. **(Renormalization of the ϕ^4 theory)** Problem 28.1 Srednicki

3. **(Particle production in field theory)** Read the section containing Eq. 2.61 in Peskin. Then solve problem 4.1 in Peskin