

Homework 8

1. Srednicki problem 75.1
2. Srednicki problem 76.1
3. Srednicki problem 77.1
4. Srednicki problem 77.2
5. Srednicki problem 89.3
6. Consider massless QED in $d = 2$ spacetime dimensions. Show that the axial current is anomalous and compute its divergence. (There are a variety of ways to do this, pick one or more than one – this is a more open ended problem. Ideally you will *think* about this independently, but of course the answer is easy to find in many places).