

Quantum Field Theory I

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Problem Set 3

Please answer the following questions and provide us by the end of the TA class on Ordibehesht 18.

1. Please answer to problem 5.1 of [\[Sch14\]](#)
2. Please answer to problem 5.6 of [\[Sch14\]](#)
3. Please answer to problem 7.1 of [\[Sch14\]](#)
4. Please answer to problem from part (a) to (c) in 7.3 of [\[Sch14\]](#)

References

- [Sch14] Matthew Dean Schwartz. *Quantum field theory and the standard model*. Cambridge University Press, New York, 2014.