

Problem Set 1
CPSC 640 Quantum Algorithms
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The assignment is due Wednesday, September 13, before class.

Solve the following exercises in the lecture notes:

- 2.3
- 2.4 (your answer is wrong if you have just a finite number of states)
- 2.8
- 2.11
- 2.17
- 2.26

Read pages 1–27 in Nielsen and Chuang. If you need to refresh your memory about linear algebra concepts, then read pages 60–79.