

Problem Set 1
CPSC 640 Quantum Algorithms
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The assignment is due Friday, September 19, before class.

Read pages xxiii-xxv, 13–27, and 60–79 in Nielsen and Chuang.

Solve the following exercises in the lecture notes:

1. Lecture notes, Exercise 2.1
2. Lecture notes, Exercise 2.2
3. Lecture notes, Exercise 2.3
4. Lecture notes, Exercise 2.4
5. Lecture notes, Exercise 2.8
6. Lecture notes, Exercise 2.15
7. Lecture notes, Exercise 2.16
8. Lecture notes, Exercise 2.17
9. Lecture notes, Exercise 2.19
10. Lecture notes, Exercise 2.21