

Quantum Information B Fall 2020 Problem Set 5

Solutions are due in 4 pm on Tuesday Dec 1.

All problems are taken from Nielsen-Chuang, look them up from the book.

1. Exercise 10.5 from the book.
2. Exercise 10.10 from the book.
3. Exercise 10.16 from the book.
4. Exercise 10.19 from the book.
5. Exercise 10.21 from the book. (Hint: You may use the result of Exercise 10.20)
6. Exercise 10.32 from the book.

Reading for this and next week: Read Chapter 10 to the end (the plan is to finish Ch. 10 next week.)