Homework 4

Notes:

1. Due date: Oct 15, 2024, By 11:59 PM
2. Textbook = Introduction to Quantum Mechanics, 3rd Edition, Griffiths and Schroeter
3. All questions are worth 20 marks.

1. Find eigenfunctions and eigenvalues of the position operator and argue that every real number is an eigenvalue of position operator.
2. Show that minimum uncertainty wave packets are gaussian.
3. Problem 3.3 from textbook
4. Problem 3.5 from textbook
5. Problem 3.18 from textbook