

Physics 438a

Spring 2025

Problem Set 2

Due Sunday, January 26 at 11:59 pm via Blackboard

1. Griffiths 1.7*
2. Griffiths 1.14*
3. Griffiths 1.18
4. Griffiths 2.2
5. Griffiths 2.4. If we treat this as a classical particle with a position and speed equal to the quantum-mechanical expected values, what does this say about the motion of a particle in the lowest energy state?
6. Griffiths 2.5*

*Solved at least partially in class