Homework Sets

Quantum Mysteries

- Homework 1 (Complex Numbers)

    - Problem 2-1 from Jordan (QMSMF)
    - Problem 2-2 from Jordan (QMSMF)
    - Problem 2-3 from Jordan (QMSMF)
    - Problem 2-4 from Jordan (QMSMF)
    - Problem 2-5 from Jordan (QMSMF)

- Homework 2 (Matrices)

    - Problem 3-1 from Jordan (QMSMF)
    - Problem 3-2 from Jordan (QMSMF)
    - Problem 3-3 from Jordan (QMSMF)
    - Problem 3-4 from Jordan (QMSMF)
    - Problem 3-7 from Jordan (QMSMF)

- Homework 3 (Pauli Matrices)

    - Problem 4-1 from Jordan (QMSMF)
    - Problem 4-2 from Jordan (QMSMF)
    - Problem 4-3 from Jordan (QMSMF)
    - Problem 4-4 from Jordan (QMSMF)
    - Problem 4-5 from Jordan (QMSMF)
    - Problem 4-6 from Jordan (QMSMF)

- Homework 4 (Vectors, Probability)

- – Problem 5-1(a,b,d) from Jordan (QMSMF)
- – Problem 6-1(a,d) from Jordan (QMSMF)
- – Problem 6-2 from Jordan (QMSMF)
- – Problem 6-3 from Jordan (QMSMF)
- – Problem 6-4 from Jordan (QMSMF)
- – Problem 6-5 from Jordan (QMSMF)
- – Problem 6-6 from Jordan (QMSMF)

- Homework 5 (Basic Rules, Spin)

  - – Problem 7-1 from Jordan (QMSMF)
  - – Problem 8-1 from Jordan (QMSMF)

- Homework 6 (More Spin)

  - – Problem 10-1 from Jordan (QMSMF)
  - – Problem 10-2(i,ii) (a)-(d) from Jordan (QMSMF)
  - – Problem 10-4 from Jordan (QMSMF)
  - – Problem 10-5 from Jordan (QMSMF)

- Homework 7 (What can be measured)

  - – Problem 12-1(a-e) from Jordan (QMSMF)
  - – Problem 12-2 from Jordan (QMSMF)

- Homework 8 (Two Spins)

  - – Problem 14-1 (first one only) from Jordan (QMSMF)
  - – Problem 14-2 from Jordan (QMSMF)
  - – Problem 14-5 from Jordan (QMSMF)
  - – Problem 14-6 from Jordan (QMSMF)
  - – Problem 14-7 from Jordan (QMSMF)
  - – Problem 14-8 from Jordan (QMSMF)

- Homework 9 (Heisenberg Uncertainty)

  - – Problem 17-1 from Jordan (QMSMF)
  - – Problem 17-3 from Jordan (QMSMF)