Name: **Huan Q. Bui** Course: **8.321 - Quantum Theory I** Problem set: **#2** 

- **1.** Let *A* be a skew-Hermitian operator, i.e.,  $A^{\dagger} = -A$ .
  - (a)
  - (b)
- 2.
- 3.
- 4.
- 5. 6.
- 7.