1. *Griffiths*, **7.1**

2. *Griffiths*, **7.4** Note, you also have to assume the ground state of the system is non-degenerate. But that's usually the case in quantum systems.

3. *Griffiths*, **7.6**

4. *Griffiths*, **7.13**

5. *Griffiths*, **7.19**