Please complete following problems.

1. [FIS P259 14].

2. [FIS P259 12 and 16] We have proven 12 and 16 (a) in class. Review the proof and think about 16 (b). (Not to be turned in)

3. [FIS P281 12].

4. [FIS P336 1].

5. [FIS P336 3].

6. [FIS P337 8].

7. [FIS P337 10].

8. [FIS P337 17] Remark: Such T will be called an isometry.

9. [FIS P353 2 (b) (c) (h)].