

**MATH4406 (Control Theory)**  
**HW4 (Unit 4): State Space Linear Systems - 2**  
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This HW is based on exercises from [AntMich07]. There is on-line access to the book through the UQ-Library (or the course web-site).

1. Do exercise 9.4.
2. Do exercise 9.10.
3. Do exercise 9.13.
4. Follow example 6.7. Fill out any details that are missing.
5. Do exercise 6.12.