Things to prove today from 3, 4 and 5.1

- Theorem 3.4.2 p. 87.
- Example 4.1.1.
- \bullet Theorem 4.2.1
- Theorem 4.2.2
- Theorem 4.3.2.
- \bullet Theorem 4.4.1
- \bullet Example 4.5.2
- Example 4.6.1
- \bullet Theorem 5.1.2
- Example 5.1.2