Read: Sections 6.4, 8.1-8.2

Definition: Write down the definitions for the following terms. [5 points]
- Linear homogeneous recurrence relation of degree k with constant coefficients
- Linear nonhomogeneous recurrence relation with constant coefficients
- The characteristic equation and the characteristic roots of a recurrence relation
Theorem 3 on page 518: The general result about the solution of linear homogeneous recurrence relations with constant coefficients

Problems to be graded: [10 points]
- §6.4/ 8, 10, 31.
- §8.1/ 11, 24&25 (count as one question).
- §8.2/ 1, 4 (a–d, each counts half point), 12, 14,

Practice problems:
- §6.4/ 2, 4, 7, 36,
- §8.1/ 7, 9, 10, 12, 13, 14, 25
- §8.2/ 2, 3, 6, 7, 13, 15, 19,