EECS 210 Section 2 – Lecture Summaries
Lecture 22, Monday, March 5, 2001

• Circuits with resistors and energy storage devices
  ➢ require solving a linear differential equation (LDE)
  ➢ If capacitors and resistors – 1st order LDE
  ➢ If inductors and resistors – 1st order LDE
  ➢ If capacitors, inductors, and resistors – 2nd order LDE
• Use superposition to solve for frequency components
• Use complex algebra
  ➢ To separate in-phase and quadrature source functions
  ➢ To simplify solution of LDE’s
  ➢ Yields frequency domain equation in terms of phasors