1. A current source supplies the current shown below. It flows through a 4 H inductor, and an initially uncharged 2 \( \mu \)F capacitor.
   
   a. Sketch the circuit.
   
   b. Plot graphs of \( v_L \) and \( v_C \).
   
   c. Plot the power supplied to the inductor and the energy stored in the inductor as a function of time.

   ![Graph of current over time]

2. Nilsson and Riedel, 2 12

3. Nilsson and Riedel, 2 20

4. Nilsson and Riedel, 2 25

5. Nilsson and Riedel, 2 31

6. Nilsson and Riedel, 3 8

7. Nilsson and Riedel, 3 14

8. Nilsson and Riedel, 3 19