Announcements

- This Friday quiz on material up through last Friday
- Office hours for Lisa A changed for this Thursday – noon-1:00pm
Complex Numbers in Engineering

- Especially useful in Electrical Engineering

- Consist of two parts – one real (a) and one imaginary (j) \( a + bj \)
  - Imaginary number is the square root of a negative real number
  - Imaginary number is represented by i or j
    - j in this book
Homework for the Week

- **Lecture**
  - Problems 4-28, 4-34, 5-2, 5-4, 5-10, 5-14 due Monday Sept 22

- **Recitation**
  - Be prepared to do and turn in Problems 4-36, 5-1
  - Reflection due Thursday Sept 18

- **Lab**
  - Lab 2 due Tuesday Sept 23
  - Preread Lab 3 by Tuesday Sept 23