“Teaching problem solving is more than demonstrating solutions.”

Goals for students:
- Help students learn to create their own solutions, not just understand yours
- Develop understanding of how problems relate to general principles

Guidelines for presenting a solution:
- Locate the problem
  - What is it about?
  - What principles are involved?
- Connect your solution to the question
  - Why do it that way?
  - How do you know how to solve it?
- Debrief
  - Does this solution make sense?
  - What else can you learn from this problem?
  - Was this a special case?

Tips for conducting problem solving sessions:
- Ask questions
- Get students to work in section (Why?—you’ll be able to identify what they know and what they don’t know.)
- Stop during section to let students and to have students do something.
  - Working in pairs is a good way to get this started.