Before Class

- Learn how position and velocity are connected through the derivative. (The presenter computes the derivative by going all the way back to the definition in terms of limits. You may use the shortcuts we've already discussed in class.)

  - Part 1: http://www.youtube.com/watch?v=GUVFX5-SaTA

  - Part 2: http://www.youtube.com/watch?v=ctV8MOiaOfA

  - Part 3: http://www.youtube.com/watch?v=9-rnCKY98gI

- Read the definition of acceleration and Example 4 on page 180.

- p. 182, # 45

During Class

- p. 181, # 41, 47, 49, 53, 55