MA241
Homework #8
Due Monday, December 9

1. My extensions for Looking for Pythagoras, #1, 2, 3, 4, 5, 7.

2. Answer the following questions for the Teacher's Guide:

   (a) State all the objectives and the NCTM standards once for the entire book; you don't have to do this for every individual investigation.

   (b) Investigation 1: Problem 1.1, Problem 1.3 (make careful diagrams), Problem 1.3 Follow-Up.

   (c) Investigation 2: Problem 2.2—connect dots to find squares of areas 1, 2, 3, 4, and 5.

   (d) Investigation 3: Problem 3.2.

   (e) Investigation 4: Problem 4.3, ACE 6, 10–12. Generalize what you discovered in 10–12, and then prove your result.

   (f) Investigation 5: Problem 5.1A, ACE 18, 25, 31.

   (g) Investigation 6: Problem 6.1, Problem 6.1 Follow-Up, Problem 6.2, Problem 6.2 Follow-Up, ACE 15. Prove that what you discovered in ACE 15 is true.