

**MA241**  
**Homework #4 Due Monday, October 21**

1. Teacher's Guide, Ruins of Montarek, Investigation 1.
  - (a) Problem 1.1.
  - (b) Problem 1.1 Follow-up 1–4.
  - (c) Problem 1.2.
  - (d) Problem 1.5.
  
2. Teacher's Guide, Ruins of Montarek, Investigation 3.
  - (a) Problem 3.1.
  - (b) Problem 3.1 Follow-up.
  
3. Teacher's Guide, Ruins of Montarek, Investigation 4.
  - (a) Problem 4.1 Follow-up.
  - (b) Problem 4.3—make at least 4 drawings, but clearly explain why there are 48 possible drawings.
  - (c) ACE problem 7.
  
4. Teacher's Guide, Ruins of Montarek, Investigation 5.
  - (a) ACE problem 2.
  - (b) ACE problem 3.
  - (c) ACE problem 4.
  
5. Teacher's Guide, Ruins of Montarek, Investigation 6.
  - (a) Problem 6.1.
  - (b) Problem 6.4.
  - (c) ACE problem 7. (Hint: I think a building with 34 cubes can be built.)
  
6. Write a set of objectives and state the relevant NCTM standards for the book Ruins of Montarek (for the whole book; not chapter-by-chapter).