

**MAE 301/501 HOMEWORK-1 DUE IN-CLASS, AT THE BEGINNING OF CLASS, ON
MONDAY, JANUARY 30.**

One goal for this course is for you to develop your skill in effectively communicating mathematics. With this in mind, you should clearly write up your solutions. Solutions with little or no justification will receive little or no credit.

- (1) Carefully read the first chapter of *Mathematics for High School Teachers: An Advanced Perspective*.
- (2) Do problems 4, 9, and 10. Clearly explain and justify your ideas and your solutions.