

Homework 3**Due date:** Monday, 1-28-08**Weight:** 10 points.**Name:****Grade:**

Please read pages 600-607. When I refer to a problem by saying, for example, 9.1.2, I mean chapter 9, section 1, problem 2 in our textbook. If you can fit the homework on this sheet, please do – it makes organization slightly easier for me.

- (1) Problem 9.1.2, (referring to the picture of a box with diagonals), all parts.
- (2) Consider a clock (correctly set) that starts ticking at noon.
 - (a) What is the measure of the total angle swept by the hour hand when it reaches 3:00 P.M.?
 - (b) What is the angle between the hour hand and minute hand at exactly 4:00 A.M.?
 - (c) At what hour(s) will the angle between the hour and minute hands be exactly 30° ?
- (3) Problem 9.3.9, all four parts. Not to be underestimated!