First Homework Assignment

Due Date: Sept 8, 2005

Question 1. Fill in the question marks on slide 16 of Lecture 1.

Question 2. Start with the day and city of your birth.
   a. Estimate what latitude you would have to go to on the Earth so that the Sun was directly overhead on the day of your birth.
   b. On that day how far was the Sun from directly overhead in the city of your birth.

Question 3. "Every night about four minutes worth of new night sky appears and four minute worth of old night sky disappears." Explain