ASTR 202 - Homework 1  (2 pages – see back)
DUE: Tuesday, January 31, 2012 @ beginning of class
Please write in complete sentences. If you need extra room, then fill out the answers on a separate sheet of paper with your name. Each problem is worth 2 points.

Printed Name: ______________________________   Student ID: __________________________

1. Explain the difference between deductive and inductive reasoning.

2. Explain one of the hallmarks of science (i.e. something that distinguishes science from faith or other ways of thinking)?
3. Give an example of how an awareness of the motion or position of objects in the night sky could have been of practical use to humans in pre-history (i.e. more than 10,000 years ago).

4. In the age just before the invention of the telescope, give a simple argument that anyone might have made that the Earth is not moving around the Sun.

5. Draw on a separate sheet of a paper a timeline with what you consider to be the major events in the history of astronomy. Make this timeline to scale, i.e., make sure that the physical distance between events on your timeline corresponds to the actual temporal space between them. You can use a linear scale, or get fancy and use something else! Please make sure to include a key indicating how physical distance corresponds to temporal distance on your timeline.