

AST 101 Take-home #6

Introduction to the Astrolabe

Name: _____

Due November 6

Read the following excerpts from *The Personal Astrolabe* booklet sent to you as a pdf attachment: Ch. 1, *Introduction to the Astrolabe*, (pp. 1-2); Ch. 2, *Your Personal Astrolabe*, (pp. 3-5 , especially Fig. 1); Ch. 6, *A Brief History of the Astrolabe*, (pp 25-28). From these readings, answer the following questions. Keep your answers to **not more than** one sentence. Less than one is also acceptable.

1. From what two words does the name “astrolabe” come?
2. What three twilight times are represented by the twilight arcs on Fig.1 (p. 4)?
3. The astrolabe is based on stereographic projection. Who did the most important work on the theory of stereographic projection?
4. When was the astrolabe likely introduced to the Islamic world?
5. Why was the astrolabe inherently valuable in Islam?
6. How was the astrolabe introduced to Europe?
7. Give one way that astrology influenced the development of astronomy: