HOMEWORK #1 (due start of class Aug 23)  My star name is: _______________

LEARNING GOALS for this assignment:
1. Understand the requirements and opportunities of our course
2. Become familiar with our Web site, email, and textbook
3. Begin communicating with your Professor and Teaching Assistant
4. Begin applying basic Daily Skills in communication
5. Review elementary arithmetic

TO RECEIVE FULL CREDIT:
For each item follow directions carefully and completely. Check each box after completion. Please email Dr. McCarthy or your Teaching Assistant and Preceptor with any questions.

☐ #1. Login to our Web site below and use it as follows.
   http://zeus.as.arizona.edu/~dmccarthy/ASTR170B1/index.html
   a. Scan our course syllabus (print or online) to understand the primary logistics and opportunities of our course. Be prepared for a quiz about Academic Integrity, Daily Skills, and daily homework.
   b. Email a brief personal introduction to Dr. McCarthy with a copy to our Graduate Teaching Assistant. Using the first three “Daily Skills” in communication, describe your home state and hobbies. Be sure to identify yourself and to use an appropriate subject line with the term “ASTR 170.” Instead, and probably more fun, you may make a 5-minute appointment to meet in person!

☐ #2. Complete and return both sides of the handout from our first class.
   a. “Acknowledgement and Receipt of Syllabus”
   b. The “Astronomy Questionnaire”

☐ #3. Check out the free, online textbook: https://openstax.org/details/astronomy
   a. Click “View online” in the upper right corner and read the one-page Introduction that appears.
   c. Click on “Contents” to see how to navigate the various chapters and sections.

☐ #4. Submit for Wednesday’s class: Your answers to the following four questions.
   In the space below write each of the following four numbers in the formats requested. Here is an optional resource to help you review: http://www.nyu.edu/pages/mathmol/textbook/scinot.html

   a. \( \frac{3}{4} \) (Express in decimal, in words, and in scientific notation.)

   b. \( 10^9 \), sometimes written as \( 10^9 \). (Express in words and as a decimal number.)

   c. The population of the United States is 324 million people. (Express as a decimal number and in scientific notation.)

   d. Homework counts 25% of your grade in this course. (Express in words, as a decimal number, and in scientific notation.)