

**Homework 2: Due 10:00 am Thursday, May 31****12 points possible****To get the most out of the homework:**

1. Do the work in the order I have presented it.
2. On scrap paper, try to answer the questions without looking back at the text, when you rewrite the answers to turn in, go back to the text/notes to make sure you haven't left anything out.
3. Try to complete as much of the homework as you can before my office hour before the homework is due (pretend the due date is my office hour before the deadline).

**From Chapter 2:**

1. Watch the Sun set before Thursday. Notice where the moon is (or isn't). What phase is the moon in? Do this once more in the next 5 days, does the moon rise before or after the sun sets?

[not graded]

2. Look at questions 4-7 on page 51. Pretend I was about to give you a test consisting solely of those questions. If you can't answer them as well as you would like to be able to on an exam, read section 2.1. If you can answer some, read the subsections of 2.1 where they discuss the ones you have trouble with.

*(For "A" understanding, I suggest answering those questions out loud to someone else or taking the time to actually write the answers down on paper)*

Answer questions 28 and 29 (don't forget to explain your reasoning)

[2 points, 1 pt each]

3. Read section 2.2, make sure you fully understand and can explain each figure (except Fig 2.14), then answer questions 10, 11, 24, and 32

[4 points, 1 pt each]

4. Instead of reading all of section 2.3, just focus on the subsections about eclipses. To fully understand the phases of the Moon, you should be able to recreate Fig 2.19 without a textbook near you. Answer questions 14 and 26

[2 points, 1 pt each]

5. Read section 2.4 carefully, answer questions 22 and 36

[2 points, 1 pt each]

6. Do problem 39

[2 points]

**Homework Policy**

**Collegiate quality:** All work must be neat and easy to read, well organized, and demonstrate mastery of the subject. Submitted work must be on clean white (or lined) paper without torn edges, must be stapled, and preferably, all text typed. If you don't type the text, be sure you write as neatly as possible.

**All answers and other writing should be self-contained:** Imagine that a friend is reading your work and ask yourself whether the friend would understand exactly what you are trying to say.

**Other Notes:** Clearly show your work. Word problems should have word answers.

Express numbers in a way that is meaningful to most people, for example 168 hours should be expressed as 1 week. And 9,964,543.2353 years should be expressed as "nearly ten million years" or  $10^7$  yr.

Messy work won't be graded.