



### Extra Credit

I will assign an occasional HW extra credit problem. You are invited, however, to choose a non-routine problem from our textbook. In this case you will need to get approval from me as to the worthiness of such a problem.

### Homework Protocol

Ideally, homework should be done individually. However, your MATH 461 professor understands the value of collaborative work or receiving help from someone other than yours truly. All I ask of you is that you document those from whom you received assistance. In these cases please write at the beginning of your homework paper:

(i) “I received help (assistance, hints) on problem(s) \_\_\_\_\_ from \_\_\_\_\_.”

or

(ii) “ ‘Ethan’ and I worked together on problem(s) \_\_\_\_\_.”

### Homework Rules

#### Format

- Use 8.5" by 11" sheets of paper, one side only. Do not use paper from spiral notebooks: I do not like tattered edges.
- Either print or type your work.
- Use one-inch margins on the left and right, top and bottom.
- You should have enough space that will allow me to comment on your work.
- State the problem you are solving, not merely, for example, “problem 5, page 36”. You need to state all hypothesis’ and conditions pertinent to the particular problem. In particular, anyone picking up your HW paper should be able to determine the problem you are solving.
- Your paper should be *neat, clear, well spaced* and easy to read.
- If your problem requires a *proof* (“Prove that ...”, “Show that ...”) you begin by writing “proof.” (underline, period) beneath the stated problem and left adjusted. If your problem is primarily computational, use “Solution.”

#### Diction

In most cases writing down *only* a sequence of symbols and/or equations is not acceptable. Your proof or solution is an essay that should convince the reader of the correctness of your computations and the syllogism of your logic. Recall, essays are composed using complete sentences. (Do not forget that a complete sentence begins with a *capital letter* and ends with a *period*.) If you are working with an equation, make sure that you give an appropriate prompt (e.g., “When we square both sides of this equation we see that”). The sentences used in mathematics are statements: A *statement* is an unambiguous declarative sentence that is either true or false, in particular, a statement has a subject, object and a verb.

#### Your Math Professor has a hearing disability

Your math prof has a hearing disorder, to be specific, he has an *Auditory Processing Disorder* (APD). (You can look it up on Wikipedia.) The symptoms and spectrum for APD are quite broad, however, for yours truly, the primary disorders are: (i) I can “hear” better in my right ear than in my left ear, and, (ii) I have difficulty filtering out background noise.