

EXAM PREP 1 INFORMATION

Instructions. During tutorial on **Monday, September 21**, you will be given 40 minutes to complete an Exam Prep Assessment. You may not use notes, a calculator, or any other resources on the assessment.

The assessment will have three parts, as outlined below.

1. PART A will include **two key definitions** from Chapter 1.
 - You will need to fill in the missing details of the definition, which will be scaffolded precisely as it is in the corresponding CAP.
 - You will also need to include one example of the definition and one nonexample (or the alternative indicated in the corresponding CAP).
2. PART B will include **two fill-in-the-blank or multiple-choice problem**, which will be similar (but not identical) to one of the problems from Webwork 1.
 - You do not need to show any work on the Part B problems, and partial credit will not be given for work included on this portion of the assessment.
 - All calculations will need to be performed by hand, but we will choose reasonable numbers so that you can complete these calculations without needing to devote too much time to the arithmetic.
3. PART C will include **one free response question**. This question will be similar (but not identical) to one of the assigned Chapter Exercises below.
 - While the problem will be different than what's in the Chapter Exercises, you should be able to solve it using similar strategies to one of the assigned chapter exercises.
 - You should complete all problems from the list below and study (not memorize!) your solutions well enough to be able to apply the same strategy in a different setting.
 - This problem will be graded using the standard rubric, which is included on the next page.

Assigned Chapter Exercises. From the [course lecture notes](#):

- Chapter 1 Exercises: P1.1, P1.2, P1.3, P1.4, P1.5, P1.7

Additional Notes. Note that all future Exam Prep Assessments will cover **two chapters** of material. The first exam prep only covers one chapter to give you time to complete all course assignments related to the material.

Standard Rubric. Your Part C solution will be graded using the following standard rubric:

Points	Rubric
5	Solution is presented with clear justification that is logically complete and correct. May include minor typos and computational errors if they do not majorly impact the argument. No important steps are missing or assumed. All assumptions and special cases have been covered. All suggestions for improvement come under the category of “improvements for clarity” rather than “correcting logical errors”. Omission of details will be judged depending on context of the material, with simpler steps being acceptable for omission when covering more advanced topics.
4	Solution is close to full and complete, but contains either a computational error or an error in reasoning that majorly impacts the argument. This score is also appropriate for solutions that are mathematically sound but confusingly written.
3	Solution is incorrect, but understanding of the problem was demonstrated and student provided a clear outline of a potential approach with information about where they got stuck -or- solution is correct but justification is insufficient or so confusingly written that it cannot be followed with a reasonable amount of effort.
2	Solution is incorrect, but student demonstrated understanding of the problem -or- solution is correct and student did not provide justification for their answer.
1	Solution is incorrect and student did not demonstrate understanding of the problem, but did demonstrate some knowledge of relevant material.
0	Solution is incorrect or incomplete, and there was no demonstration of knowledge of relevant material.