

Midterm 2 review

Dr. C. Alex Simpkins

1 General info

1.1 You are allowed

- Old note sheet + 1 more 8.5x11", 2sided hand written
- A programmable calc (no downloading of additional code or anything at all)
- We'll provide blank sheets and scantron
- Bring pencils/erasers/brains

1.2 Covers

ch4,5,6-6.4, no calcs for truss problems but conceptual questions may be on the test about trusses.

1.3 How to practice

Do lots of problems. Make sure to be able to look at a problem and identify methods to solve them without looking at the answer.

1.4 On the test

Show work, do steps

- Write given, find, steps, then the solution
- Show all work, simplify gradually, not in one line
- If a free body diagram is involved you must provide it or you will lose points

2 Review topics

Know the major topics of each section included on the test first, then fill out more. Know all the methods and problem types. Anything covered in the lecture and in the book is likely to be included. You will not be asked about distributed loading. We are saving that for a later lecture.

3 Problems to practice

Review Fundamental problems we assigned, examples from class, quiz questions, class quiz questions, examples in book, book and lecture materials/techniques, other problems