

Tips for Studying for Math 126 Exam II

The exam is Thursday, November 11, 8:00-9:15 a.m. It is designed to be done in an hour. Make sure you know what room your exam is in.

There will be a review session Wednesday, November 10, 7:00-9:00 p.m. in 141 DeBartolo.

The exam will cover sections 8.8, 9.1, 9.2, moments and centers of mass from 9.3, 10.1, 10.3, 10.4, and 12.1-12.7. Calculators will be allowed. However, you must show all your work and all important steps on each problem. You will get no credit for just writing down an answer you find on your calculator. We have chosen the exam problems carefully to test your knowledge and understanding of the topics we have studied, not to test your ability to press buttons on a calculator.

The “Concept Check” and “True-False Quiz” in the review at the end of each chapter of Stewart do an excellent job of giving you a review of what the basic concepts are. For chapter 8, it is on page 576. Questions 6-8 in the “Concept Check” and 5-7,10-14 in the “True-False Quiz” go with section 8.8. For chapter 9, it is on page 618. Questions 1,2,4,5 in the “Concept Check” go with sections 9.1, 9.2, moments and centers of mass from 9.3. For chapter 10 it starts on page 680. Questions 1,2,5,7 in the “Concept Check” and 1-4 in the “True-False Quiz” go with sections 10.1, 10.3, and 10.4. For chapter 12, it starts on page 822. Questions 1-7 in the “Concept Check” and 1-3,7-9,11,12,14-18 in the “True-False Quiz” go with sections 12.1-12.7.

A good strategy for practicing computation is to go back through the homework problems and work problems similar to those assigned. At the end of each chapter in Stewart there are “Exercises.” For chapter 8 these begin on page 577. Begin by studying the material, to make sure you have everything at your finger tips. Then work an assortment of the odd-numbered problems. You might at least try to look at #41,43,45,47,49,71,79. For chapter 9, the “Exercises” begin on page 619. You might at least try to look at #1,3,11,15. For chapter 10, look at page 681 #7,9,15,17. For chapter 12, look at page 823 #1,3,7,11,13,15,17,19,21,23,25,27,29,35,37.

Don't wait until the last minute to study. Take advantage of a chance to ask questions during the tutorial on Tuesday, during class Wednesday if there's time, and during office hours and at the review session.

We have covered lots of topics. On an exam designed to take an hour, we cannot possibly ask you a question about each topic.