

195 - Test 4		There are no versions		
1	CHAP 8 6 points <i>Using words, diagrams and equations</i>	Derive equation 8.18 and using Hooke's law explain figure 8.16.	Explain example 8.11. Draw a diagram and explain figure 8.18.	Explain Example 8.5. I don't want an answer as much as a recipe or strategy in solving these problems. Use Problem Solving Hints on page 224.
2	CHAP 9 6 points <i>Using words, diagrams and equations</i> <i>You choose</i>	Derive linear momentum $p=mv$ and the conservation of linear momentum equation 9.5.	Explain the two types of collisions? How do we solve these types of problems?	Explain example 9.11. Draw the diagram. Set-up the equations and explain how to solve this problem.
3	CHAP 8 4 points	Quick Quiz Question 4, 5, 6 <i>Explain your answer</i>		
4	CHAP 8 4 points	Quick Quiz Question 7, 9, 11 <i>Explain your answer</i>		
5	CHAP 9 4 points	Quick Quiz Question 5, 6, 7, 8 <i>Explain your answer</i>		
6	CHAP 8 4 points	Problems - 2, 5, 7a, 10, 30, 31, 34a, 35, 36 <i>Show your work</i>		
7	CHAP 9 4 points	Problems - 3, 4, 6, 8, 12, 15 <i>Show your work</i>		
8	CHAP 9 4 points	Problems - 16, 18, 19, 20, 24, 25 <i>Show your work</i>		
9	CHAP 8/9 24 points DRS	Ch 8 Problems - 51, 57, 59, 60, 65, 67, 73 Ch 9 Problems - 26, 55, 58, 60, 67		

*I will reduce the number of problems two days before the Test. **This time there is no Freebie.***

Test Date – Tuesday 3/27/08 at 12:30 pm

You will **randomly** receive one of three versions of the test above. You cannot have any notes. There are two questions (1 and 2) that require you to write a complete and concise explanation along with an appropriate diagram and mathematical logic (equations). Practice these questions. Write your answer out. Do not use paragraphs. Use bullets or steps. Pretend that you are to provide an explanation to the class.

There are 3 multiple-choice questions which require a correct and **brief explanation** as to why you chose your answer. There are also 3 basic problems that require you to show some of your work. These are not easy or simple problems. Basic means that you are capable and prepared to solve these problems.

Problem 9 requires that you show a complete diagram, clear reasoning and a correct solution. Practice drawing your diagrams. Diagrams are important. They demonstrate your knowledge and understanding of the problem. They are not for show. I will start this test at 12:30 pm. You will have 75 minutes. **NO programmable calculators.** No books or notes.