195 - Test 2		A	B	C
1	CHAP 4 6 points *Using words, diagrams and equations*	Explain figure 4.5. How do equations 4.6-7-8-9 relate to the figure.	What is projectile motion. Use my section 3.3 on the web (A Most Awesome Explanation).	Derive radial acceleration and explain Uniform Circular Motion.
2	CHAP 5 6 points *Using words, diagrams and equations*	Explain how one would solve problems using Newton's Laws. (Page 124) Provide an example.	Explain Static and Kinetic Friction using the graph provided online.	Explore the flash animation on the notes page. Explain the last scenario (Constant Force, Friction and Air Resistance). Use the graph.
3	CHAP 4 4 points	Quick Quiz Question	Quick Quiz Question	Quick Quiz Question
4	MC Question 4 points	MC?	MC?	MC?
5	CHAP 5 4 points	Quick Quiz Question	Quick Quiz Question	Quick Quiz Question
6	CHAP 4 4 points	P #17	P #31	P #19
7	CHAP 5 4 points	Example 5.9	Example 5.6	Example 5.4
8	CHAP 5 4 points	P #25	P #24	P #37
9	CHAP 4/5 24 points **DRS**	Ch 4 P #65	Ch 5 P #58	Ch 4 P #61

Test Date – <u>Thursday 2/21/08 at 12:30 pm</u>

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 diagram. 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.