

180A - Test 2		A	B	C
1	CHAP 3 6 points <i>Using words, diagrams and equations</i>	Explain and show Projectile motion. Use an example.	Derive radial acceleration in Uniform Circular Motion.	What are Newton's Three Laws. You need to provide diagrams and examples.
2	CHAP 4 6 points <i>Using words, diagrams and equations</i>	Explain Friction utilizing figure 5.12	How does an accelerometer work? Use example 5.5 to show and explain.	What is the new process in solving problems with forces? Explain and Provide a good example.
3	CHAP 3 4 points	MC #5	MC #1	MC #12
4	CHAP 4 4 points	MC #16	MC #11	MC #5
5	CHAP 5 4 points	MC #3	MC #9	MC #6
6	CHAP 3 4 points	P #8a,b,c	P #15a,b,c,d	P #44a,b,c
7	CHAP 4 4 points	P #32	P #41a	P #34
8	CHAP 5 4 points	P #12	P #35	P #39
9	CHAP 4/5 24 points DRS	Ch 4 P #56	Ch 5 P #78	Ch 3 P #67

Test Date – Thursday 2/21/08 at 7:50 am

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.