COALITION MATH 152 FINAL EXAM REVIEW PROBLEMS

Spring 1998

If you can do almost all of the C level problems, and problems very similar to them, then you should be able to make a C on the final exam.

If you can **also** do almost all the A level problems without being shown how (so that you can expect to do comparable problems that you haven't seen before), then you should be able to make an A on the final.

NOTE: "14/17" means Page 14, Problem 17, etc.

CLASS	C Level Problems	A Level Problems
16.2	708/22	236/26
16.3	236/1	237/34
17.1	169/23	169/25
17.2	173/3	174/28
17.3	350/10	351/24
18.1	375/68	359/37
18.2	403/9	403/16
18.3	412/79	411/27
19.1	427/12	428/63
20.1	441/11	441/38
20.2	324/5	324/11
20.3	324/31	324/68
21.1	330/11	330/35
21.2	[see below*]	862/3
21.3	531/18	874/45
22.1	856/1	856/15
22.2	512/10	512/29
22.3	975/11	976/26 (step size 0.5)
23.1	975/2	976/45
23.2	981/6	981/16
24.1	995/22	995/26

24.2	1002/3	1002/7
24.3	1009/1	1009/11
25.1	652/3	663/30
25.2	673/6	194/11 ("verify ..." only)
25.3	674/33(b)	663/37
26.1	Logic/3	Logic/9
26.2/3	78/1	79/16
27.1	216/3	79/36
27.2	494/5	495/50
28.1	607/8	607/40
28.2	623/1	616/32
28.3	628/11	633/26
29.1/2	647/6	639/10
29.3	663/7	652/14

* Find the moment of inertia of a tin can about its symmetry axis, given its length, its radius, and the thickness and density of the metal. Include the top and bottom of the can, but neglect seams, etc. (Remember that space station!)