A.P. Calculus Chapter 6 Mechanical 2002

EXAM CHAPTER 5
1 R/C Pg 166 - 171;
comment and/or explain
EACH of the 7 examples.
Be *very* thorough!
10/31

2 Pg 171 - 172
1, 3, 5, 8 - 16, 19
#10 "D" ans: Sec^{-1} 2x
19 is important
Explain # 5 carefully
11 / 1

3 Pg 172 20
Pg 177 1, 3, 6 - 9, 11 - 14, 16, 17
Pblms 16 and 17 are very important!
11 / 4

4 Pg 177 - 178 18 - 21
Hint 18: see pg 83
Hint 20A multiply by (1+x)
Pblm 20 C use calculator to get all 3 digits
11 / 5

5 Pg 200
1, 4, 5, 8, 9, 25 - 32
For pblms 25 - 32; ALSO state coordinates for *ALL* extrema.
11 / 6

6 Pg 178 22, 23
7 Pg 181- 182
1 - 14, 16 - 22
11/ 7

R/C Pg 232 - 239 # 8
• • • • • • • • • • • • • • •
Pg 239 1 - 20 # 9
11/ 8

No School today
10 Pg 215
2, 3, 4, 7 - 9, 15, 18
for pblm 18 only, make f, f', f'' graphs

11 Pg 239-240
21 - 24, 26 - 35, 39
ALSO Find: the two limits listed at the bottom of the sked

12, 13
GQ Ch6 Pg 241 - 242
1 - 3, 5, 7
GQ Ch6 Pg 241 - 242
10 - 13, 19AB
GQ Ch 1 - 6 Comp Pg 243
1, 2, 3
11/ 13

14 GQ Ch 1-6
Pg 243 4 - 9, 11 - 15
GQ Ch 1-6 Concepts
Pg 244 3, 4, 5
15 RE Ch 1 - 6
Pg 244 - 249
1 - 26, 33, 34, 44
11/ 14

 # 16, 17, 18, 19,20
Pick up
Continuous Enjoyment:
***Four Corners of the World* edition**
11/ 15

11/18

11/ 19

11/ 20

Put last year's exam on the chalk boards.
11/ 21

Chapter 6 Mechanical Exam!!!
11/22

$$\lim_{x \uparrow \pi} (1 - \sin x)^{\cot x}$$

$$\lim_{x \uparrow \frac{\pi}{2}} (1 + \cos x)^{\tan x}$$

Find those analysis notes *!!!!!!*
I *just remembered* a few things we didn't cover last year.
You're going to *just* love this!

A.P. Calculus Chapter 6 Mechanical 2002

EXAM CHAPTER 5
1 R/C Pg 166 - 171;
comment and/or explain
EACH of the 7 examples.
Be *very* thorough!

Topic: Rolle's thm

10/31

2 Pg 171 - 172
1, 3, 5, 8 - 16, 19
#10 "D" ans: $\text{Sec}^{-1}\, 2x$
19 is important
Explain # 5 carefully
Lecture: Rolle's Thm

11 / 1

3 Pg 172 20
Pg 177 1, 3, 6 - 9, 11 - 14, 16, 17
Pblms 16 and 17 are very important!
Law of the Mean

11 / 4

4 Pg 177 - 178 18 - 21
Hint 18: see pg 83
Hint 20A multiply by (1+x)
Pblm 20 C use calculator to get all 3 digits
Lecture: Pblms 20, 16, 17 from HW # 3

11 / 5

5 Pg 200
1, 4, 5, 8, 9, 25 - 32
For pblms 25 - 32; ALSO state coordinates for *ALL* extrema.
Max, Min, PI, graphing #19 pg 182

11 / 6

6 Pg 178 22, 23
7 Pg 181- 182
1 - 14, 16 - 22
Limits. prove
$\sqrt{ab} < \frac{1}{2}(ab); 0 < a < b$
on blue paper

11/ 7

R/C Pg 232 - 239 # 8
• • • • • • • • • • • • • • •
Pg 239 1 - 20 # 9
l'Hopital's Rule finally

11/ 8

No School today
10 Pg 215
2, 3, 4, 7 - 9, 15, 18
for pblm 18 only, make $f,\ f',\ f''$ graphs
More graphing
Uses second derivative

11 Pg 239-240
21 - 24, 26 - 35, 39
ALSO Find: the two limits listed at the bottom of the sked
Put 2,3,4, 18 on boards explain everything. number lines, limits, etc. also pg 200 1-5, 25-32

12, 13
GQ Ch6 Pg 241 - 242
1 - 3, 5, 7
GQ Ch6 Pg 241 - 242
10 - 13, 19AB
GQ Ch 1 - 6 Comp Pg 243
1, 2, 3
have HW11 on boards

11/ 13

14 GQ Ch 1-6
Pg 243 4 - 9, 11 - 15
GQ Ch 1-6 Concepts
Pg 244 3, 4, 5
15 RE Ch 1 - 6
Pg 244 - 249
1 - 26, 33, 34, 44

11/ 14

 # 16, 17, 18, 19,20
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Continuous Enjoyment: *Four Corners of the World* edition

11/ 15

On the day when the multiple choice problems are handed out.
Show detail of pblm 13 from pg 242. Most students didn't use # lines properly or at all
Exam 11/22

11/22

11/18

11/ 19

11/ 20

Put last year's exam on the chalk boards.

11/ 21

$\lim_{x \uparrow \pi} (1 - \sin x)^{\cot x}$

$\lim_{x \uparrow \frac{\pi}{2}} (1 + \cos x)^{\tan x}$

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