Math 124 End of Week 5 Newsletter

On Wednesday, we will finish our derivative rules, then we will start to move into bigger applications. So next week I will be giving you lots of practice problems with all our derivative rules. I have posted several review sheets if you want to read ahead about the derivative rules we will be learning. We need to know the rules well before we get into applied problem solving (students often have difficulty in problem set up in applied problems which we will practice, but things will be much harder if you don't know the basic derivative rules).

UPCOMING SCHEDULE:

Friday:	Section 10.2 (Parametric Equations, horizontal and vertical velocity, motion applications)
Monday:	Section 3.5 (Implicit Differentiation)
Tuesday:	Exam 1 Return and Worksheet on Parametric Equations: http://www.math.washington.edu/~m124/source/worksheets/aut_ws6.pdf
Wednesday:	Section 3.6 (Logarithmic Differentiation)
Thursday:	Homework discussion (bring lots of homework questions!)
Next Friday:	Section 3.9 (Related Rates)

Exam 1 Reviewing, Reflection and Regrades Information:

Early next week, I will be emailing you exam information and statistics. I also will be emailing information about regrades and an exam reflection survey. So be looking for that email. Briefly, here are some important things I will say:

1. When you get your exam back, quickly review it and immediately report any miscalculations or tallying to your TA.
2. Then take your exam home and review the questions, carefully read and consider the posted solutions. Also fill out the exam reflection survey (more information to come).
3. If you have carefully considered the exam and the solutions and you have a complaint about grading, then you must bring me your exam by Friday (at lecture or office hours). I will take your exam and consider the issue and add comments. You can NOT bring me regrade questions after Friday. I expect you to review your midterm immediately and bring me your questions right away.

HOMEWORK:

Closing Friday at 11:59pm:	hw11S3.4 and hw12S3.4
Closing Monday at 11:59pm:	hw13S10.2
Closing Wednesday at 11:59pm:	hw14S3.5 (part 1 of 3.5)
Closing Next Friday at 11:59pm:	hw15S3.5 (part 2 of 3.5)

PREVIOUS HOMEWORK STATS:

hw09S3.1-2:	median score = 97%,	median time browser open to assignment = 207 minutes
hw10S3.3:	median score = 100%,	median time browser open to assignment = 116 minutes

NEW POSTINGS

Remember the course website is here: http://www.math.washington.edu/~aloveles/Math124Winter2016/index.html

(3.3/4) Trig and Chain Rules: http://www.math.washington.edu/~aloveles/Math124Winter2016/m124week4review.pdf

(10.2) Parametric Rules: http://www.math.washington.edu/~aloveles/Math124Winter2016/m124ParametricEquations.pdf

(3.5/6) Implicit and Log Rules: http://www.math.washington.edu/~aloveles/Math124Winter2016/m124week5review.pdf

Basic Derivative Rules Reference Sheet:
http://www.math.washington.edu/~aloveles/Math124Winter2016/m124Derivatives.pdf

OLD EXAMS:
The departmental exam archive for **midterm 2** is here: http://www.math.washington.edu/~m124/SampleMid2.php
and my additional exam archive is here:
http://www.math.washington.edu/~aloveles/Math124Winter2016/LovelessExamArchive.html

Here are parametric derivative problems from old exams (10.2) from old midterms:
Problem 3 from: http://www.math.washington.edu/~m124/source/Exams/Midterm2/2015aut/pezzoli.pdf
Problem 3 from: http://www.math.washington.edu/~aloveles/Math124Winter2016/m124f11e1.pdf
Problem 4 from: http://www.math.washington.edu/~aloveles/Math124Winter2016/m124w13e2.pdf
Problem 2 from: http://www.math.washington.edu/~m124/source/Exams/Midterm2/mid2w09/alexMidterm2.pdf
Problem 3 from: http://www.math.washington.edu/~m124/source/Exams/Midterm2/mid2_a12_perkins/Mid2.pdf
Problem 4 from: http://www.math.washington.edu/~m124/source/Exams/Midterm2/mid2w11/midterm2.pdf
Problem 5 from: http://www.math.washington.edu/~m124/source/Exams/Midterm2/2015aut/sylvester.pdf
Problem 2b from: http://www.math.washington.edu/~aloveles/Math124Winter2016/m124w13e2.pdf
Problem 7 from: http://www.math.washington.edu/~conroy/m124-general/exams/mt1-aut2007.pdf
Problem 5 from: http://www.math.washington.edu/~m124/source/Exams/Midterm1/2015aut/koblitz.pdf

Here are chain rule practice problems (3.4) from old midterms:
Problem 3 from: http://www.math.washington.edu/~aloveles/Math124Winter2016/m124f10exam1.pdf
Problem 1a from: http://www.math.washington.edu/~m124/source/Exams/Midterm2/mid2w11/midterm2.pdf
Problem 4 from: http://www.math.washington.edu/~aloveles/Math124Winter2016/m124f10exam1.pdf

Students have told me they are worried about parametric equation problems. So I provided lots and lots of examples above from the exam archive. Check them out!

I hope some of this helps.

Dr. Andy Loveless