

Math 126 End of Week 9 Newsletter

UPCOMING SCHEDULE:

Friday: Taylor Notes 4 and 5 (Taylor Series)
Monday: No class
Tuesday: HW Q & A
Wednesday: Taylor Notes 5 and Review
Thursday: HW Q & A and Final Exam Review
Next Friday: Review for Final

HOMEWORK:

Closing Tuesday: TN 4
Closing Tuesday: TN 5

PREVIOUS HOMEWORK STATS:

15.5: median score = 100%, median time browser open to assignment = 100 minutes
TN 1: median score = 100%, median time browser open to assignment = 46 minutes
TN 2: median score = 100%, median time browser open to assignment = 50 minutes
TN 3: median score = 100%, median time browser open to assignment = 48 minutes

NEW POSTINGS

Remember the course website is here:

There are several new postings: <https://sites.math.washington.edu/~aloveles/Math126Spring2017/index.html>

1. **Brief Summary and Facts sheet of Everything we've don't this quarter:**
<https://sites.math.washington.edu/~aloveles/Math126Spring2017/sp14m126FinalReview.pdf>
2. **Overheads containing a Checklist of Topics you need to know for the final:**
<https://sites.math.washington.edu/~aloveles/Math126Spring2017/m126FinalExamChecklist.pdf>
3. **Reference sheet for all you need to know for Taylor Polynomials and Series:**
<https://sites.math.washington.edu/~aloveles/Math126Spring2017/TaylorSeriesReviewOverheads.pdf>
4. **Detailed Review of Taylor Notes 1, 2, and 3 (with outlines of how to do every type of problem):**
<https://sites.math.washington.edu/~aloveles/Math126Spring2017/TaylorNotesReview1.pdf>
5. **Detailed Review of Taylor Notes 4, and 5 (without outlines and full example of each type of problem):**
<https://sites.math.washington.edu/~aloveles/Math126Spring2017/TaylorNotesReview2.pdf>
6. **Your TA should have handed out these old exam problem practice sheet today:**
<https://sites.math.washington.edu/~aloveles/Math126Spring2017/lastworksheet.pdf>
Here are full solutions to Problems 1-13: (Note, I meant to remove 9d, sorry).
<https://sites.math.washington.edu/~aloveles/Math126Spring2017/m126LastWorksheetSoln1.pdf>
Here are full solutions to Problems 14-23: (I made a mistake in 18(c) which effects 18(d), see if you can spot it)
<https://sites.math.washington.edu/~aloveles/Math126Spring2017/m126LastWorksheetSoln2.pdf>

Also remember the Taylor Notes are here: <http://www.math.washington.edu/~m126/TaylorNotes.pdf>

This is the text that goes with the current material and it includes additional examples.

Remember the department's final exam archive is here (this is where you should be spending a lot of your time over the next week):

<http://www.math.washington.edu/~m126/finals/final.php>

and my archive of old exams is here:

<https://sites.math.washington.edu/~aloveles/Math126Spring2017/examarchive.html>

OLD EXAMS: Here is targeted practice and examples from old finals. **I think it is vital that you look at all of these now to get a feel for what these questions look like! Just spend a few minutes glancing through these problems. If you can do all of these, then I am confident that you will do well on the similar questions on our final.** Answers are online and I am happy to discuss solutions, please take a look and ask questions!

TN 1, 2, 3: Taylor Polynomial Questions:

Finding Taylor Polynomials:

Problem 1a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2014.pdf>

Problem 8ac from: <http://www.math.washington.edu/~m126/finals/m126finalAut2013.pdf>

Problem 9a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2013.pdf>

Problem 8a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2012.pdf>

Given an interval, find the error:

Problem 8b from: <http://www.math.washington.edu/~m126/finals/m126finalAut2013.pdf>

Problem 9bc from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2013.pdf>

Problem 8b from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2012.pdf>

Problem 7bc from: <http://www.math.washington.edu/~m126/finals/m126finalWin2011.pdf>

Problem 1b from: <http://www.math.washington.edu/~m126/finals/m126finalAut2010.pdf>

Given an error, find the interval:

Problem 1bc from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2014.pdf>

Problem 8c from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2012.pdf>

Problem 1b from: http://www.math.washington.edu/~m126/finals/final126_sp07.pdf

TN 4, 5: Taylor Series Questions:

Substitution, Combining and Notation:

Problem 2a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2014.pdf>

Problem 9a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2011.pdf>

Problem 9 from: <http://www.math.washington.edu/~m126/finals/m126finalAut2013.pdf>

Problem 8a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2013.pdf>

Problem 9a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2012.pdf>

Interval of Convergence

Problem 2b from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2014.pdf>

Problem 8c from: <http://www.math.washington.edu/~m126/finals/m126finalWin2011.pdf>

Problem 9b from: <http://www.math.washington.edu/~m126/finals/m126finalWin2012.pdf>

Problem 9c from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2011.pdf>

Using Taylor Series:

Problem 8c from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2013.pdf>

Problem 9b from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2012.pdf>

Problem 2 from: <http://www.math.washington.edu/~m126/finals/m126finalAut2010.pdf>

Problem 9b from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2011.pdf>

Integration:

Problem 2c from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2014.pdf>

Problem 8b from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2013.pdf>

Problem 9c from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2012.pdf>

Problem 8 from: <http://www.math.washington.edu/~m126/finals/m126finalWin2011.pdf>

Problem 9c from: <http://www.math.washington.edu/~m126/finals/m126finalWin2012.pdf>

Problem 8b from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2011.pdf>

Here are some Taylor Polynomial/Series Problems with full solutions posted:

Problem 3, 4, 5: <http://www.math.washington.edu/~aloveles/Math126Winter2007/w07m126e1solns.pdf>

Problem 1, 2, 3: <http://www.math.washington.edu/~conroy/m126-general/exams/mt1Math126Win2006.pdf>

Full solutions: <http://www.math.washington.edu/~conroy/m126-general/exams/mt1SolMath126Win2006.pdf>

Pevtsova Practice Probs: http://www.math.washington.edu/~julia/teaching/126A_Winter2007/Practice1.pdf

Full solutions: http://www.math.washington.edu/~julia/teaching/126C_Fall2006/Practice1Sol.pdf

I hope some of this helps. - Dr. Andy Loveless