

Math 126 End of Week 8 Newsletter

UPCOMING SCHEDULE:

Friday: Taylor Notes 1 and 2 (Taylor Polynomials and Error Bounds)
Tuesday: Homework Q & A
Wednesday: Taylor Notes 3 and 4 (Finding Patterns)
Thursday: Homework Q & A and test prep
Next Friday: Taylor Notes 5 (Taylor Series)

HOMEWORK:

Closing Tues: TN 1, TN 2
Closing Thur: TN 3

PREVIOUS HOMEWORK STATS:

15.1: median score = 100%, median time browser open to assignment = 34 minutes
15.2: median score = 100%, median time browser open to assignment = 127 minutes
15.3: median score = 100%, median time browser open to assignment = 175 minutes
15.4: median score = 100%, median time browser open to assignment = 200 minutes
15.5: median score = 100%, median time browser open to assignment = 85 minutes

NEW POSTINGS

Remember the course website is here: <https://sites.math.washington.edu/~aloveles/Math126Spring2017/index.html>
There are several new postings:

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1. **Brief Summary and Facts sheet of Everything we've done this quarter!**
<http://www.math.washington.edu/~aloveles/Math126Winter2016/sp14m126FinalReview.pdf>
2. **Reference sheet for all you need to know for Taylor Polynomials and Series:**
<http://www.math.washington.edu/~aloveles/Math126Winter2016/TaylorSeriesReviewOverheads.pdf>
3. **Detailed Review of Taylor Notes 1, 2, and 3 (with outlines of how to do every type of problem):**
<http://www.math.washington.edu/~aloveles/Math126Winter2016/TaylorNotesReview1.pdf>
4. **Detailed Review of Taylor Notes 4, and 5 (without outlines and full example of each type of problem):**
<http://www.math.washington.edu/~aloveles/Math126Winter2016/TaylorNotesReview2.pdf>
5. **Your TA should have handed out these old exam problem practice sheet today:**
<http://www.math.washington.edu/~aloveles/Math126Winter2016/lastworksheet.pdf>
Here are full solutions to Problems 1-13: (Note, I meant to remove 9d, sorry).
<http://www.math.washington.edu/~aloveles/Math126Winter2016/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)
<http://www.math.washington.edu/~aloveles/Math126Winter2016/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.

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>

First, 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>

Pevtsove 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