Math 307 Week 9 Newsletter – Dr. Loveless

UPCOMING SCHEDULE:

Friday:	Section 6.4: Discontinuous Forcing
Monday:	Holiday
Wednesday:	Laplace Review
Next Friday:	Final Review

The final exam is Wednesday, June 8: 2:30-4:20pm in Johnson 111

HOMEWORK:

HW 7 is posted: http://www.math.washington.edu/~aloveles/Math307Spring2016/homework.html

FINAL EXAM REVIEW POSTINGS:

1. **Final Review Sheet:**
   http://www.math.washington.edu/~aloveles/Math307Spring2016/m307FinalReview.pdf

2. **List of Homework and Exam Review By Topic:**
   http://www.math.washington.edu/~aloveles/Math307Spring2016/m307FinalReviewHomework.pdf

NEW POSTING ON LAPLACE TRANSFORMS:

Here, again, is the course website: http://www.math.washington.edu/~aloveles/Math307Spring2016/index.html
These are all original review sheets written by me.

1. **Laplace Transform Practice Problems and Solutions:**
   http://www.math.washington.edu/~aloveles/Math307Spring2016/m307LaplacePractice.pdf

2. **Inverse Laplace Transform Practice Problems and Solutions:**
   http://www.math.washington.edu/~aloveles/Math307Spring2016/m307InverseLaplacePractice.pdf

3. **6.3 Review (the unit step function):**
   http://www.math.washington.edu/~aloveles/Math307Spring2016/m307Review6-3.pdf

4. **Full Example of Laplace method (given out in class):**
   http://www.math.washington.edu/~aloveles/Math307Spring2016/m307FullTransformLectureExample.pdf

5. **Full Lecture Example of Laplace method on Discontinuous Forcing:**
   http://www.math.washington.edu/~aloveles/Math307Spring2016/6-4%20Example.pdf

6. **Once again, here is that important reference sheet that I gave out in lecture:**
   http://www.math.washington.edu/~aloveles/Math307Spring2016/m307LaplaceFactSheet.pdf

OLD EXAMS:
Here, again, is my personal Math 307 exam archive:
http://www.math.washington.edu/~aloveles/Math307Spring2016/examarchive.html
And here is some targeted practice on the current material.

Practice for 6.3 (Step Functions):
Problem 6b: http://www.math.washington.edu/~aloveles/Math307Spring2016/sp15m307finalA.pdf
Problem 1cd: http://www.math.washington.edu/~aloveles/Math307Spring2016/sp_13_erickson.pdf
Problem 5b: http://www.math.washington.edu/~aloveles/Math307Spring2016/wi_14_spicer.pdf
Problem 7: http://www.math.washington.edu/~aloveles/Math307Spring2016/final_riley.pdf

Practice for 6.4 (*Discontinuous Forcing*):
Problem 8: http://www.math.washington.edu/~aloveles/Math307Spring2016/sp15m307finalA.pdf
Problem 6: http://www.math.washington.edu/~aloveles/Math307Spring2016/sp_13_erickson.pdf
Problem 8: http://www.math.washington.edu/~aloveles/Math307Spring2016/wi_14_practice_spicer.pdf
Problem 10: http://www.math.washington.edu/~aloveles/Math307Spring2016/final_riley.pdf

I hope this helps!

Dr. Andy Loveless