Math 125 End of Week 9 Newsletter

UPCOMING SCHEDULE:

Friday: Section 9.3 (Solving Separable Differential Equations)
Monday: Section 9.4 (Applications of Separable Differential Equations)
Tuesday: HW Q & A, Final Prep
Wednesday: NO CLASS – READING DAY
Thursday: CAMPUS HOLIDAY
next Friday: CAMPUS HOLIDAY
next Monday: Section 9.4 (More Applications of Separable Differential Equations)

> **The Math 125 Final is Saturday, December 7th, from 1:30-4:20pm**
> **Lecture B – All sections (BA, BB, BC, BD, BE) in KANE 210.**
> **Lecture C – All sections (CA, CB, CC, CD, CE) in KANE 220.**

HOMEWORK: Closing Wed (Nov 27): HW_9A (covers 9.1),   Closing Wed (Dec 4): HW_10A,10B (covers 9.3/9.4)
On HW_9: Ask questions in quiz section. Separate, integrate, simplify. And use given information. Pay special attention to applications in the last homework, we often ask about one of those on the final!

NEW *AND LAST* POSTINGS

1. **Final Review Checklist**: https://sites.math.washington.edu/~aloveles/Math125Fall2019/FinalReview.pdf
2. **New Material Summary:** https://sites.math.washington.edu/~aloveles/Math125Fall2019/AfterExam2Material.pdf

Supplemental Postings: Here are two review sheets from my Math 307 course. These are more in-depth application review sheets with examples and practice problems.

My Math 307 Differential Equation Application Practice Problems (you can understand this with what we know):
    https://sites.math.washington.edu/~aloveles/Math307Fall2019/DifferentialEquationApplications.pdf

My Math 307 Differential Equation Application Longer Discussion (goes a bit deeper than you need for this course):
    https://sites.math.washington.edu/~aloveles/Math307Fall2019/m307Review2-3.pdf

OLD EXAMS:

The math departmental **final exam archive** is here: http://www.math.washington.edu/~m125/Quizzes/Q10.php
for practice using section 9.3 material (Separable Equations straight solving):
Problem 9:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalW16.pdf
Problem 9:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalW15.pdf
Problem 9:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalW13.pdf
Problem 9:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalA15.pdf
for practice using section 9.4 material (Differential Equations Applications):
Newton's Law of Cooling:
Problem 10:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalW13.pdf
Problem 10:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalA15.pdf
Problem 10:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalSp12.pdf
Mixing Problems:
Problem 10:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalW15.pdf
Problem 10:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalSp14.pdf
Problem 10:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalW10.pdf
Savings Money:
Problem 10:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalSp13.pdf
Problem 9:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalW11.pdf
Equation Given:
Problem 10:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalW12.pdf
Problem 11:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalA09.pdf
Problem 10:   http://www.math.washington.edu/~m125/Quizzes/week10/125finalW16.pdf

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