Math 125 End of Week 9 Newsletter

UPCOMING SCHEDULE:

Friday: Section 9.4 (Applications of Separable Differential Equations)
Monday: Section 9.4 (more applications of separable differential equations)
Tuesday: HW Q & A
Wednesday: Final Review
Thursday: Final Review
Friday: Final Review

The Math 125 Final is Saturday, March 16th, from 1:30-4:20pm in GOWEN 301.

HOMEWORK: Closing Wednesday: HW_9A,9B (covers 9.3, 9.4).
On HW_9: Ask questions in quiz section. Separate, integrate, simplify. And use given information.

NEW *AND LAST* POSTINGS

1. **Final Review Checklist**: (ignore center of mass)
   https://sites.math.washington.edu/~aloveles/Math125Winter2019/FinalReview.pdf
2. **Quick Review of New Material (Chapter 9):** (ignore center of mass)
   https://sites.math.washington.edu/~aloveles/Math125Winter2019/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/Math307Spring2016/DifferentialEquationApplications.pdf

My Math 307 Differential Equation Application Longer Discussion (goes a bit deeper than you need in this course):
https://sites.math.washington.edu/~aloveles/Math307Spring2016/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