

Math 207 Week 2 Newsletter – Dr. Loveless

UPCOMING SCHEDULE:

Friday: Test Prep 2 and Section 2.3 (Applications using both solving methods)
Monday: Section 2.3 (more solving)
Wednesday: Section 2.5 (Population Dynamics, equilibrium analysis)
Next Friday: Section 2.7 (Euler's Method for approximation)

HW 2 Closes Tues, it is all about 2.2 and 2.1 solving methods, see the [HW 2 discussion board for some hints](#).
HW 3 is about 2.3, 2.5 and 2.7, please look at the [HW 3 discussion board for an overview](#).

NEW POSTING: Here is the link again to [Dr. Loveless review materials page](#).

For this next week, some of my review sheets that might help include:

1. [Section 2.3 \(Applications\) Review Sheet](#)
2. [Section 2.5 \(Equilibrium\) Review Sheet](#)
3. [Section 2.7 \(Euler Method\) Review Sheet](#)

Supplemental Reading – Not Required, just for your own interest, you will NOT be tested on this
[Summary of Some Theory \(Section 2.4 Review\)](#), for what initial conditions do solutions exist
[Discussion of Exact Equations \(Section 2.6 Review\)](#), another type of solving method

OLD EXAMS: Exam Archives:

[Personal Exam Archive](#) and [Department Exam 1 Archive](#)

Here is some targeted practice on the current material from these archives...

Extra practice for 2.1 (Integrating Factors):

[Spring 2016 Loveless Exam 1 Problem 1\(a\)](#)
[Spring 2015 Loveless Exam 1 Problem 1\(b\)](#)
[2017 Department Archive Exam 1 Problem 1](#)

Extra practice for 2.3 (Set-Up Applications):

Populations/Savings Accounts:

[Spring 2015 Loveless Exam 1 Problem 5](#)
[Spring 2016 Loveless Exam 1 Problem 5\(b\)](#) (this is also an equilibrium problem which is section 2.5)

Mixing Problems:

[Spring 2015 Loveless Exam 1 Problem 3\(b\)](#)
[Winter 2014 Spicer Practice Exam 1 Problem 4](#)

Velocity:

[2017 Department Archive Exam 1 Problem 6](#)

Newton's Law of cooling:

[2017 Department Archive Exam 1 Problem 2](#)

Melting Snowball:

[Spring 2016 Loveless Exam 1 Problem 5\(a\)](#)

Other:

[Spring 2015 Loveless Exam 1 Problem 4](#) (Water draining from a hole in a container, this is actually an Euler's method problem which is section 2.7)

I hope this helps!

Dr. Andy Loveless