MATH 420 — HOMEWORK 1.

due on Friday, September 7.

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Topics:
• 1. First-Order Differential Equations
  – 1.1 Modeling Via Differential Equations
  – 1.2 Analytic Technique: Separation of Variables

First Homework Assignment.

Reading:
• Read the “Logistic Population Model”, from section 1.1 (pages 9 - 12).
• Read Sections 1.2 and 1.3.

Problems:
• Section 1.2 Page 33: problems 1, 11, 13, 23, 26, 28
• Section 1.3 Page 47: problems 7, 9, 12, 16