MATH 420 — HOMEWORK 3.

due on Friday, September 21.

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Topics:
- 1. First-Order Differential Equations
  - 1.7 Bifurcations
  - 1.8 Linear Equations
  - 1.9 Integrating Factors for Linear Equations

Third Homework Assignment.

Reading:
- Read the “Predator-Prey Systems” models, from section 1.1 (pages 12 - 14) and section 2.1 (pages 150-153).
- Read Sections 1.7, 1.8 and 1.9.

Problems:
- Section 1.7 Page 106: problems 5, 13, 14
- Section 1.8 Page 121: problems 4, 6, 8, 10, 11
- Section 1.9 Page 133: problems 6, 8, 15, 16