

Math 3F03, Fall 2014
Assignment 3

This assignment is due on **Monday, November 3**, in class at the beginning of lecture. **Late assignments will not be graded.**

You must show your work and justify your assertions carefully in order to receive full credit.

Page references refer to the course textbook, *Differential Equations, Dynamical Systems, and an Introduction to Chaos* by Hirsch, Smale, and Devaney, Third Edition.

- 1.) Page 103, exercise 3.
- 2.) Page 103, exercise 5, parts (a), (d), (g).
- 3.) Page 104, exercise 6.
- 4.) Page 104, exercise 13.
- 5.) Page 135, exercise 1, parts (a), (c), (h).
- 6.) Page 135, exercise 5.
- 7.) Page 135, exercise 12, parts (a), (f), (i).
- 8.) Page 135, exercise 14.