

Math 306, Fall 2014: Assignment #3

Due: **Wednesday, September 24th**

Instructions: Please ensure that your answers are legible and that sufficient steps are shown. Chapter numbers refer to the course text “Differential Equations, Dynamical Systems, and an Introduction to Chaos.”

Problem #1. Chap. 3 #1

Problem #2. Chap. 3 #2 – Turn in only (iii) and (iv), do the rest for practice if you need it.

Problem #3. Chap. 3 #3

Problem #4. Chap. 3 #5

Problem #5. Chap. 3 #8

Problem #6. Chap. 3 #9

Problem #7. Chap. 3 #13

Problem #8. Chap. 3 #14

Problem #9. Chap. 4 #1

Problem #10. Chap. 4 #3