MA573 - Fall 2018 Homework 11 - Due December 12th

Strogatz Problems

Section 8.6: 5(c),(d),(e), 6

Section 8.7: 2. Note here that θ is defined on the circle, S^1, and y is defined on the whole real line, $\mathbb{R}$.

Section 9.2: 1,3

Section 9.3: 2 - 7. For these problems and the ones below, in addition to making the plots requested in the problems, describe in a sentence or two, the qualitative behavior you observe in the numerics.

Section 9.5: 1-3