

AM 34, HW 5, due Fri 10/19/06

Read §9.1 and §9.2 in the book and do the following problems:

§9.2: 5, 7, 11, 15, 17, 22.

Instead, of using a computer, use the linearization at the critical points to plot the phase portrait. In problem 17, you should use diagonalization to find the function $H(x, y)$.