Hw Week 7

Due Monday March 14:

Sect 1.7 #1, 2: For these problems, you will draw the phase line for several parameter values. Also draw the function \( f(y) \) for those parameter values. And draw the bifurcation diagram.

7, 9, 11, 20 (here set \( k = 1, N = 1 \) and then answer the question - so it relates to the example we did in class), 22ab.

Optional Challenge Problems: #3, 18 (this requires reading about the modified logistic model in Sect. 1.6).

Sect 1.9# 2, 4, 7, 11, 13, 24