Dynamic Models in Biology

HW3

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**Problem 1**

**Problem 2**

I sketched out the fixed points, behavior of fixed points, and nullclines with vectors using pencil. A few sample trajectories were sketched using pen.

**A notebook with writing on it

Description automatically generated**

Verifying computationally, my sketch does seem to capture most of the behavior of the system

**Problem 3**

I sketched out the fixed points, behavior of fixed points, and nullclines with vectors using pencil (can be hard to see, sorry). A few sample trajectories were sketched using pen.

A notebook with writing on it

Description automatically generatedVerifying computationally: