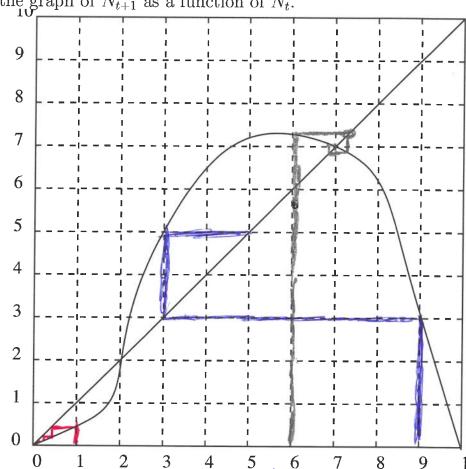
Quiz 18

You must show your work to get full credit.

Here is the graph of N_{t+1} as a function of N_t .



- 1. If $N_0 = 9$ estimate N_1 and N_2 . Blue lines $N_1 \approx 3$ $N_2 \approx 5$
- 2. If $N_0=1$ estimate the following Recl 1005 $N_1 \approx 1000$ $N_2 \approx 1000$ $N_{17} \approx 1000$

3. If $N_0 = 6$ estimate the following Percel line $N_1 = \frac{7.3}{2.3}$

 $N_{10} \approx$ 7

4. What are the equilibrium points of this system?

The equilibrium points are

0, 2, 7

5. What are the stable equilibrium points?

Where Island(<) The stable points are