Problem 1
Use Excel (or any other program) to sketch out Figure 4.23 on page 173. This uses the iterative equation (eqn 4.46 on p 170):

\[ x(n+1) = \alpha x_n (1 - x_n). \]

Change \( \alpha \) enough to produce enough data to interpolate to get the data.

NB: I recommend that people work together (decide that each person does a certain number of experiments) and then pool your data. Working together and sharing data will give you the best results.