

Quiz 24

Name: _____

1. Consider the discrete dynamical system $m_{t+1} = -0.5m_t + 1$ with the seed $m_0 = 1$.

(a) Find the first four values of the solution (meaning m_1 through m_4).

$$m_1 = 0.5, m_2 = 0.75, m_3 = 0.625, m_4 = 0.6875.$$

(b) Make a plot of the solution for the first four values.

