# 1.6 Handout (Cobwebbing and Equilibria)

For each of the following discrete dynamical systems, (a) make a cobweb diagram with the specified initial condition, and (b) find the equilibria. Are the equilibria stable or unstable?

1. $m_{t+1} = m_t + 1$, $m_0 = 1$.

2. $b_{t+1} = 2b_t$, $b_0 = 5$.

3. $r_{t+1} = 0.25r_t + 3$, $r_0 = 1$.

4. Same system as problem 3, but $r_0 = 6$.