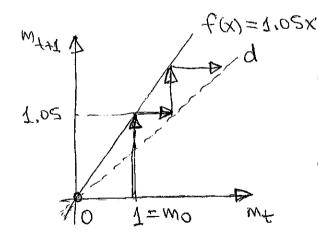
ASSIGNMENT 26

- 1. mt=0 mt+1=-8 so mx =0 not eqvil.
- (D) $m_{t=1-4}$ $m_{t+1}=-7-6$ $m_{t}=1$ not equil. $m_{t}=2-4$ $m_{t+1}=16-6-8=2-4$ $m_{t}=2$ is equil.
- 2. $f(x) = 3x 4 4 m_{+1} = f(m_{+}) = 3 m_{+} 4$ (A) so none!
 - 3. FALSE; $b^* = -1$ is an equilibrium point of $b_{t+1} = b_t^2$, but not of $b_{t+1} = b_t^2$ (alternative: find pts of equilibrium: $b_{t+1} = b_t^2 b^* = 0, 1$.)

H. FALSE ;



cobwebbing moves the values M1, M2, ~ away from mx=0

5. FALSE; we need to find one dynamical system for which m*=0 is not an equilibrium simplest case: $m_{t+1}=5$ (moves 0 to 5, so 0 is not an equilibrium)

or $m_{t+1}=2m_t-1$ (2m*-1=m*)

etc. $m_{t}=\frac{m_t-1}{m_{t+1}}$ $m_{t}=\frac{m_t-1}{m_{t+1}}$ $m_{t}=\frac{m_t-1}{m_{t+1}}$ $m_{t}=\frac{m_t-1}{m_{t+1}}$ $m_{t}=\frac{m_t-1}{m_{t+1}}$ $m_{t}=\frac{m_t-1}{m_{t+1}}$ $m_{t}=\frac{m_t-1}{m_{t+1}}$ $m_{t}=\frac{m_t-1}{m_{t+1}}$ $m_{t}=\frac{m_t-1}{m_{t+1}}$ $m_{t}=\frac{m_t-1}{m_{t+1}}$