IV.5

The equations of motion are

my' + hy = F-by

Equilibria.

Setting y'' = y' = 0 gun $ky_e = Fe$ The equilibria are any (y_e, Fe) such that $\overline{Fe} = ky_e$

b) The equation is already in linear form. About an equation we have $m\ddot{g} + h\ddot{g} = \ddot{F} - b\ddot{g}$ where $\ddot{g} = y - y_E$ and $\ddot{F} = F - F_E$

35510 - 100 sheet 8. 35520 - 200 sheet