1) A small puck of mass $m$ is kicked up an inclined plane (angle of slope $\theta$) with initial velocity $v_0$. There is no friction between the puck and the incline, but there is air resistance with magnitude $f(v) = bv$. Find the velocity of the puck as a function of time.

2) Taylor, problem 2.8

3) Taylor, problem 2.11

4) Taylor, problem 2.31

5) Taylor, problem 2.40