2.a) (*10 points)* Convert the following 2nd order ODE to a system of first order ODEs. This requires that a new variable be introduced, call that variable, v.

$$\frac{d^2y}{dt^2} - 3\frac{dy}{dt} - 3 = 0.$$

2.b) (*10 points*) Use Euler's method on the first order system of ODEs found in part (a) to fill in the following table. The initial conditions are that $t = 0, y = 0, v = 1$ and use a time step of $\Delta t = h = 1$.

t	y	v
0	0	1
1		
2		
3		