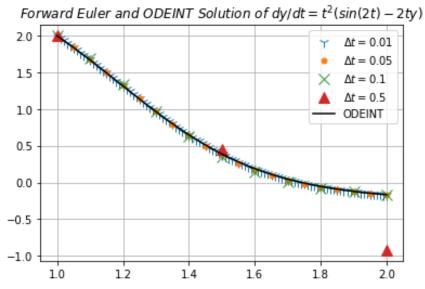
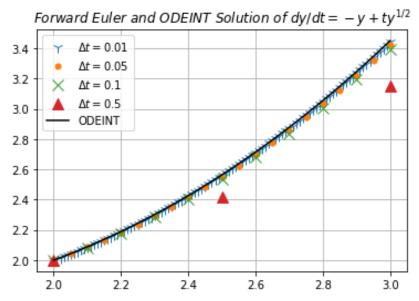
Homework 8 Problem 2

Forward Euler and ODEINT Solution of $dy/dt = e^{t-y}$ 1.5 $\Delta t = 0.01$ $\Delta t = 0.05$ 1.4 $\Delta t = 0.1$ $\Delta t = 0.5$ ODEINT 1.3 1.2 1.1 1.0 0.2 0.4 0.6 0.8 1.0

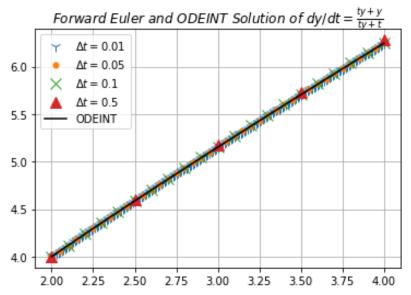
Part a) Forward Euler method of integration using dt = 0.01,0.05,0.1,0.05 and also using scipy.integrate built in odeint function



Part b) Forward Euler method of integration using dt = 0.01,0.05,0.1,0.05 and also using scipy.integrate built in odeint function



Part c) Forward Euler method of integration using dt = 0.01,0.05,0.1,0.05 and also using scipy.integrate built in odeint function



Part d) Forward Euler method of integration using dt = 0.01,0.05,0.1,0.05 and also using scipy.integrate built in odeint function