Theoretical Models for Computing

Quiz #11

Student Name: Student ID:

1. Solve the following problem over the interval from x = 0 to 1 using a step size of $h_1=1$ and $h_2=0.5$ where y(0)=1. (Using Adaptive RK method)

$$\frac{dy}{dt} = (1 + 4t)\sqrt{y}$$