Solve those equations using euler, midpoint and rk4 methods Express the results as a plot of z on x

$$\begin{cases} \frac{dx(t)}{dt} = Ay - Ax \\ \frac{dy(t)}{dt} = -xz + Bx - y \\ \frac{dz(t)}{dt} = xy - Cz \end{cases}$$

$$A = 10, B = 25, C = \frac{8}{3}, dt = 0{,}03$$

$$x(t_0) = 1, y(t_0) = 1, z(t_0) = 1$$