

MATH 202.7 (092)

Quiz 5 (Chap. 8.1-3)

Duration: 15mn

Name:

ID number:

Consider the linear system

$$\begin{aligned}\frac{dx}{dt} &= y + z \\ \frac{dy}{dt} &= 2x + y \\ \frac{dz}{dt} &= -z\end{aligned}$$

Write the system in the matrix form $X' = AX$, then solve it.