

MATH 54 SUMMER 2017, QUIZ 28

Solve the following initial value problem.

$$\mathbf{y}'(t) = \begin{bmatrix} 1 & 2 \\ 1 & 2 \end{bmatrix} \mathbf{y}(t); \quad \mathbf{y}(0) = \begin{bmatrix} 11 \\ 2 \end{bmatrix}$$