

HW

03/09/12

Compute  $e^{tA}$  for

1.  $A = \begin{bmatrix} 3 & 2 \\ 7 & -2 \end{bmatrix}$

2.  $A = \begin{bmatrix} 0 & 1 \\ -1 & 0 \end{bmatrix}$

3.  $A = \begin{bmatrix} 1 & 1 & 0 \\ 0 & 1 & 1 \\ 0 & 0 & 1 \end{bmatrix}$