

Quiz 9

Name [**1 pt**]: _____

Perm number: _____

Section time: _____

1. Solve the IVP of the first order linear system

$$\mathbf{x}' = \begin{pmatrix} -4 & -3 \\ 6 & 5 \end{pmatrix} \mathbf{x}, \quad \text{with initial value } \mathbf{x}(0) = \begin{pmatrix} -1 \\ 3 \end{pmatrix}$$