NAME:	EID:
Quiz 427J	

1. Let

$$A = \left[ \begin{array}{cc} 1 & -4 \\ 1 & -3 \end{array} \right]$$

(a) What is the general solution to the system

$$\frac{d}{dt}\vec{x} = A\,\vec{x}\,?$$

(b) What is  $e^{At}$ ?