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Quiz #12	MATH 54.	Fall 2016.	Section	224

Name: _	p:	
Section:	on:	

1. Find the general solution to the differential equation $\mathbf{y}' = A\mathbf{y}$, where

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

2. Find the solution of the initial value problem $\mathbf{y}' = A\mathbf{y}$, $\mathbf{y}(0) = (1, -1)^T$, where

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