Name:
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ID #:

Serial #:

	2	1	2	
1. Solve the system $Y' = AY$ where $A =$	1	2	2	. (Matrix A has eigenvalues $\lambda_1 = 1$ (multiplicity 2)
	1	1	3	
and $\lambda_2 = 5.$ )	-			

2. Solve the system Y' = AY where  $A = \begin{bmatrix} -3 & -2 \\ 2 & 1 \end{bmatrix}$