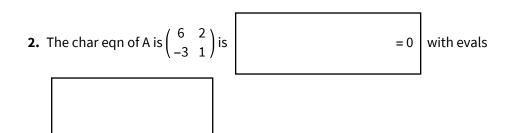
Name:		ID #:	
_			

As always you need to show your work. Fill in the appropriate blanks

1. The char eqn of A is $\begin{pmatrix} 6 & 2 & 0 \\ 0 & 1 & 2 \\ 0 & -2 & 1 \end{pmatrix}$ is = 0 with evals



3. Matrices A and B have the same eigenvalues if they are similar.

Matrices A and B are similar if for some