

```

[ > restart;
[ > with(linalg):
Warning, the protected names norm and trace have been redefined and unprotected
[ > A:=matrix([[ -1,1,0],[1,2,1],[0,3,-1]]);
                A :=  $\begin{bmatrix} -1 & 1 & 0 \\ 1 & 2 & 1 \\ 0 & 3 & -1 \end{bmatrix}$ 
[ > eigenvects(A);
                [-2, 1, {[ -1, 1, -3]}], [-1, 1, {[ -1, 0, 1]}], [3, 1, {[1, 4, 3]}]
[ > A:=matrix([[5,-4,0],[1,0,2],[0,2,5]]);
                A :=  $\begin{bmatrix} 5 & -4 & 0 \\ 1 & 0 & 2 \\ 0 & 2 & 5 \end{bmatrix}$ 
[ > eigenvects(A);
                 $\left[ 0, 1, \left\{ \begin{bmatrix} -2 \\ -5 \\ 2 \end{bmatrix} \right\} \right], [5, 2, \{[-2, 0, 1]\}]$ 
[ >

```