```
% Problem 1b)

A = [ 1 -3 3; 2 -2 2; 2 0 0 ];

[eigenvector,eigrnvalues] = eig(A)
```

eigenvector =

    -0.3333   0.0000   -0.7071
    -0.6667   0.7071   -0.0000
    -0.6667   0.7071   0.7071

eigrnvalues =

    1.0000   0   0
         0   0.0000   0
         0   0   -2.0000

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