Console

The transformed vectors are :

    0.6
    0.2

  - 0.4
    1.2

  - 0.6
  - 0.2

    0.4
  - 1.2

These points lie on the ellipse:
    2   2
(x-3y)+(3x+y)
------ ------
  16   4

The vector (0,2/10^(1/2)) lies on the circle:
 2 2
x + y = 4
     -
      10

  - 0.1897367
    1.2016655

Also lies on the same ellipse

We can see that there is a linear relationship between the first 4 vectors and their r
ve transformend vectors through the scalars known as eigenvectors and eigenvalu
ctively