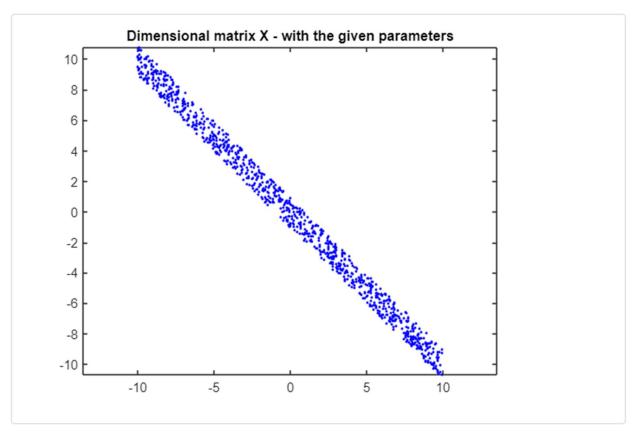
```
X = 2×1000

-1.4588 9.1074 4.4849 1.6178 0.8052 4.1088 -9.8994 5.6503 ...

0.7965 -8.6171 -4.5307 -1.3109 0.1280 -4.4828 9.0523 -5.0675
```



b. the principal components of the covariance of X as well as the corresponding variances (eigenvalues) are:

Direction conclusion: The first principal component is the direction in space along which projections have the largest variance, which is going to be orthogonal like b.