

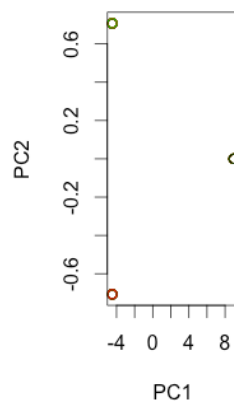
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HW8

10.a.

```
x = matrix(rnorm(20*3*50, mean=0, sd=0.001), ncol=50)
x[1:20, 2] = 1
x[21:40, 1] = 10
x[21:40, 2] = 10
x[41:60, 1] = 1
```

b.



c.

Match

d.

1 of the previous class results go into a class.

e.

1 of the previous class results go into 2 classes.

f.

Match

g.

The results seems not orderliness. The scale function cause bad effect.