**代码执行结果如下：**

> X=runif(1000,2,7)

> Y=4 \* X - 6

>

> mX=mean(X)

> print(mX)

[1] 4.545178

>

> mY=mean(Y)

> print(mY)

[1] 12.18071

> print(var(X))

[1] 2.130561

> print(var(Y))

[1] 34.08898

> c=cov(X,Y)

> print(c)

[1] 8.522246

> co=cor(X,Y)

> print(co)

[1] 1

**得到结果**

D(X)= 2.130561

D(Y)= 34.08898

协方差为8.522246

相关系数为1