

1.

```
c(1,2,3,4,5,6,7)
[1] 1 2 3 4 5 6 7
> X<-c(1,2,3,4,5,6,7)
> X
[1] 1 2 3 4 5 6 7
```
2.

```
fname<-c("John","Mark","Steve")
> fname
[1] "John" "Mark" "Steve"
> lname<-c("Cena","Zuckerberg","Jobs")
> lname
[1] "Cena"      "Zuckerberg" "Jobs"
> paste(fname,lname)
[1] "John Cena"      "Mark Zuckerberg" "Steve Jobs"
```
3.
 - a.

```
A<-matrix(c(9,5,4,4,7,7),2,3)
> A
      [,1] [,2] [,3]
[1,]   9   4   7
[2,]   5   4   7
> B<-matrix(c(7,10,4,-4,22,12,9,-8,6),3,3)
> B
      [,1] [,2] [,3]
[1,]   7  -4   9
[2,]  10  22  -8
[3,]   4  12   6
```
 - b.

```
> A%*%B
      [,1] [,2] [,3]
[1,]  131  136   91
[2,]  103  152   55
>
```