

Untitled

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```
2 + 2

## [1] 4
#1.a
x<- -5:5
print(x)

## [1] -5 -4 -3 -2 -1 0 1 2 3 4 5
#1.b
x <- 1:7
print(x)

## [1] 1 2 3 4 5 6 7
#2.a
seq(1, 3, by=0.2) # specify step size

## [1] 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0
library(MASS)
age <- c(34, 28, 22, 36, 27, 18, 52, 39, 42, 29, 35, 31, 27, 22, 37, 34, 19, 20, 57, 49, 50, 37, 46, 25,
age[3]

## [1] 22
age[c(2,4)]

## [1] 28 36
age[-1]

## [1] 28 22 36 27 18 52 39 42 29 35 31 27 22 37 34 19 20 57 49 50 37 46 25 17 37
## [26] 43 53 41 51 35 24 33 41 53 40 18 44 38 41 48 27 39 19 30 61 54 58 26 18

names(x)<- c("first"=3, "second"=0, "third"=9)
x [c("first", "third")]

## <NA> <NA>
## NA NA
print(x)

## 3 0 9 <NA> <NA> <NA> <NA>
## 1 2 3 4 5 6 7
```

```
x<- -3:2  
print(x)
```

```
## [1] -3 -2 -1  0  1  2
```

```
  x[2] <- 0  
  x
```

```
## [1] -3  0 -1  0  1  2
```