

# Graficos

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## REPRESENTACIÓN GRAFICA CON PLOT

### GRAFICOS BASICOS DE PUNTOS

```
x = c(2,6,4,9,-1)
y = c(1,8,4,-2,4)
plot(x,y)
```

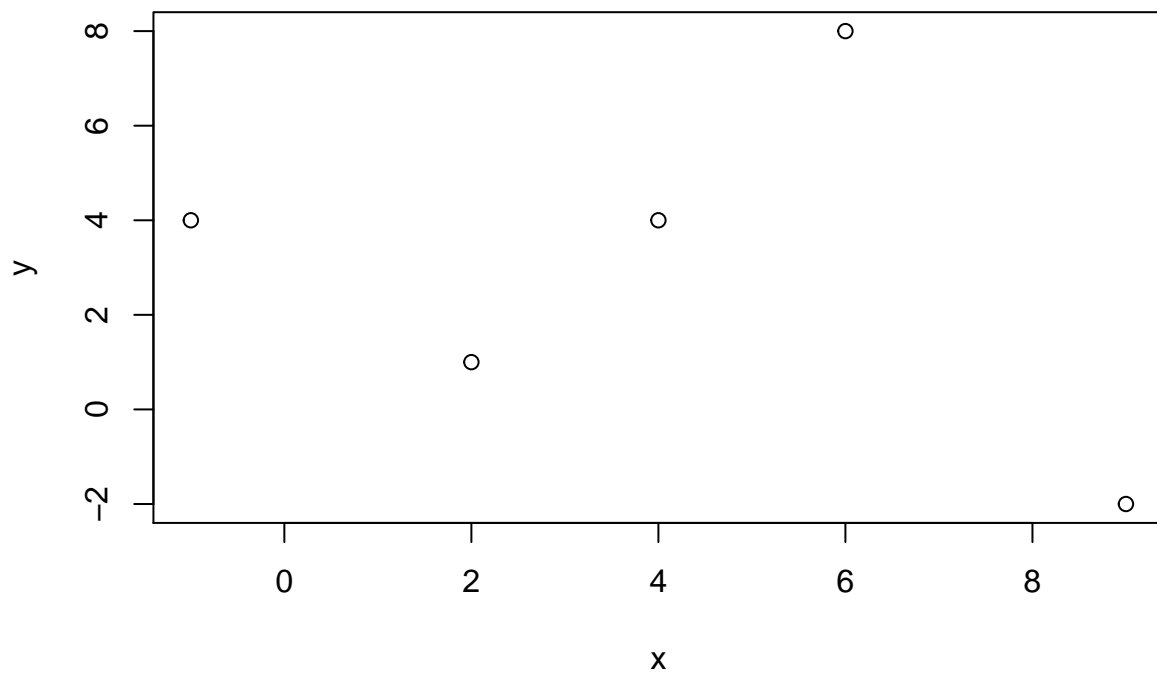
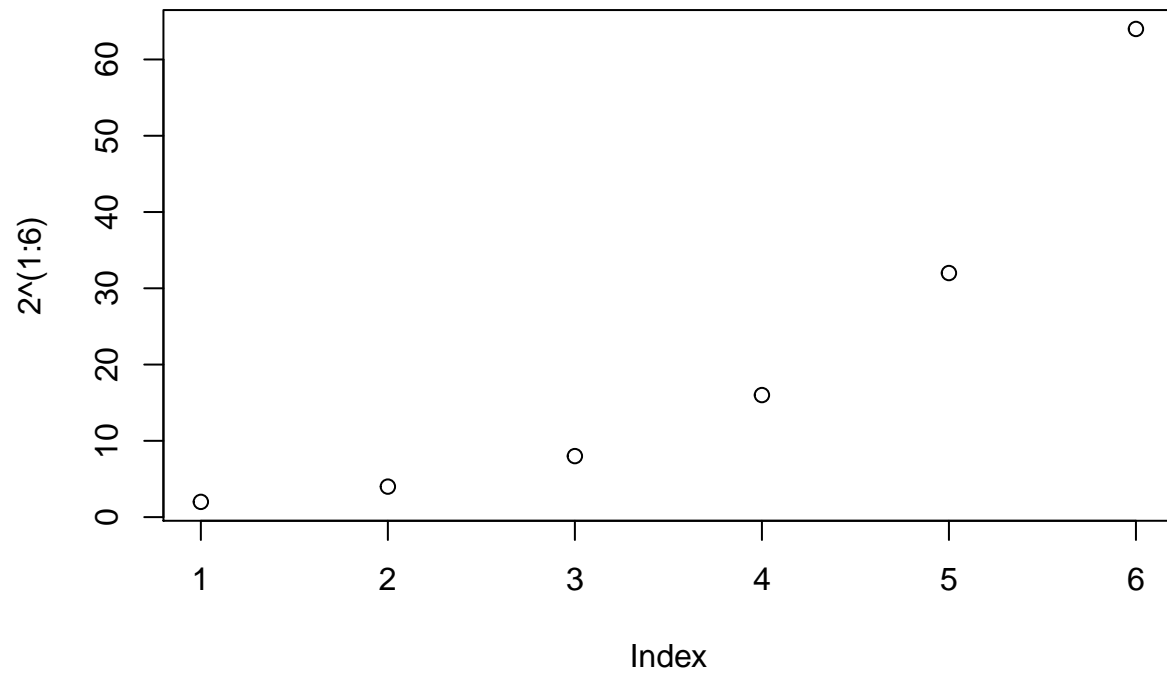


Figure 1: Grafico basiaco

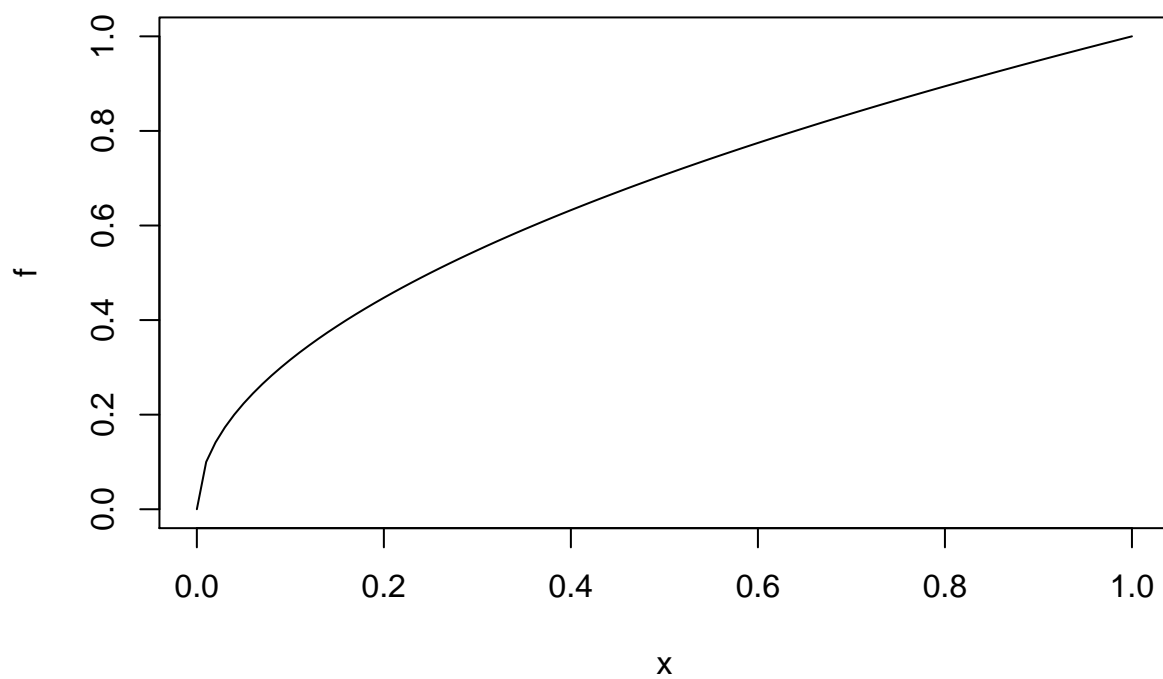
Si no incorporamos vector y, R nos va a tomar el parametro x como si fuese el vector de datos y: `plot(1:n, x)`

```
plot(2^(1:6))
```



Si queremos representar una función  $f(x)$

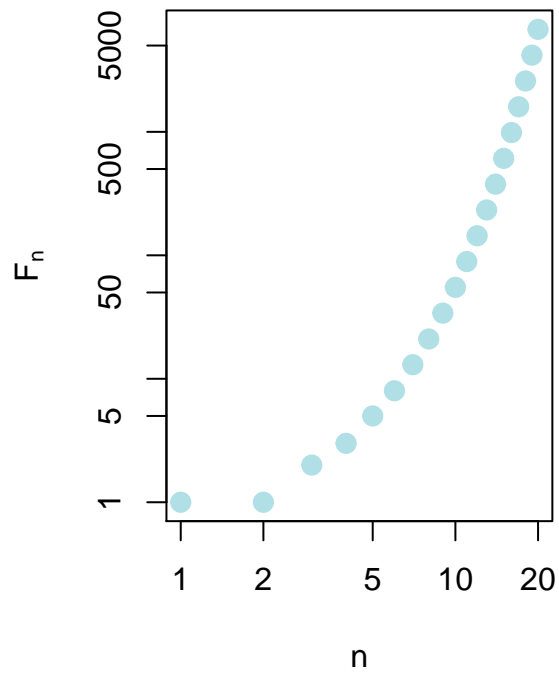
```
f <- function(x){sqrt(x)}  
plot(f)
```



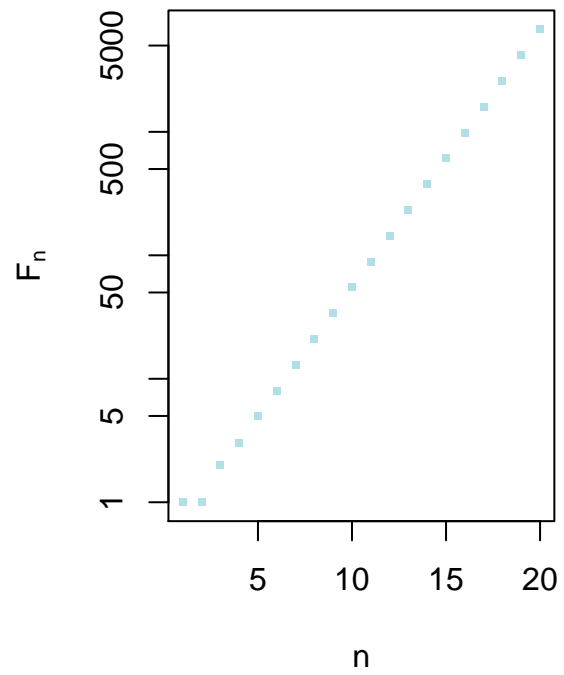
## PARÁMETROS FUNCIÓN PLOT

```
## [1] 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610
## [16] 987 1597 2584 4181 6765
```

**Sucesión de Fibonacci**



**Sucesión de Fibonacci**



## MÁS PARAMETROS

```
plot(n, fib, pch = 21, col = "red", bg = "yellow", cex = 1.2, type = "o", lty = "dashed", lwd = 2, xlim
```

