# Gráficos

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**Gráficos**

```
x = c(1,2,3,4,5)
y = c(4,5,6,7,8)
plot(x,y)
```
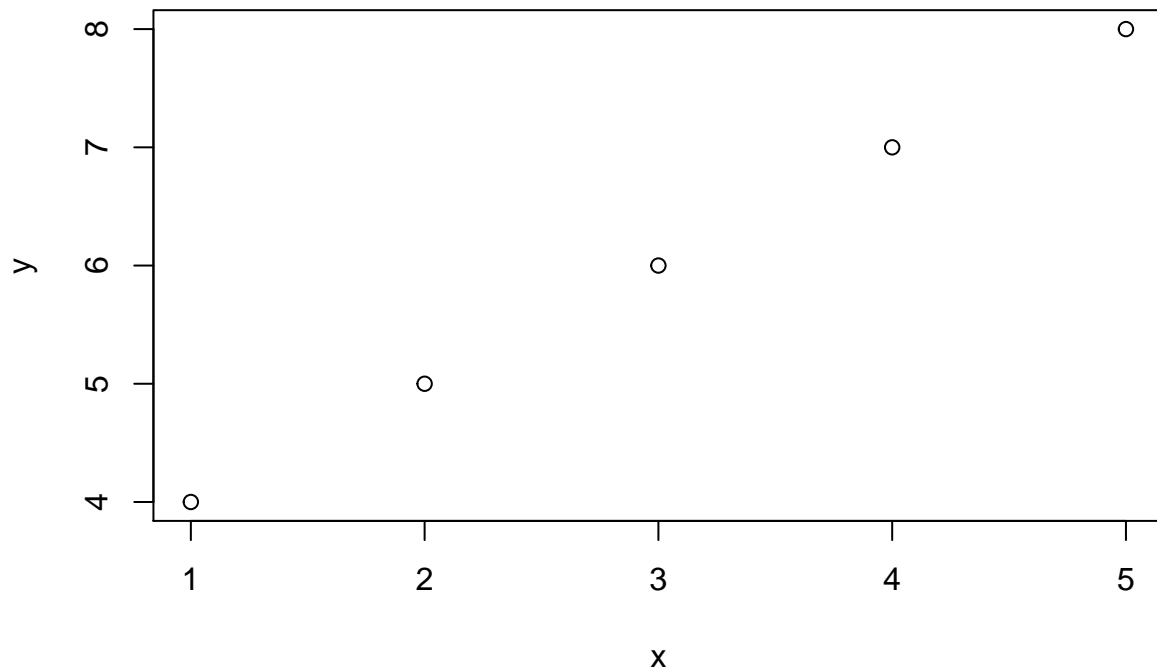


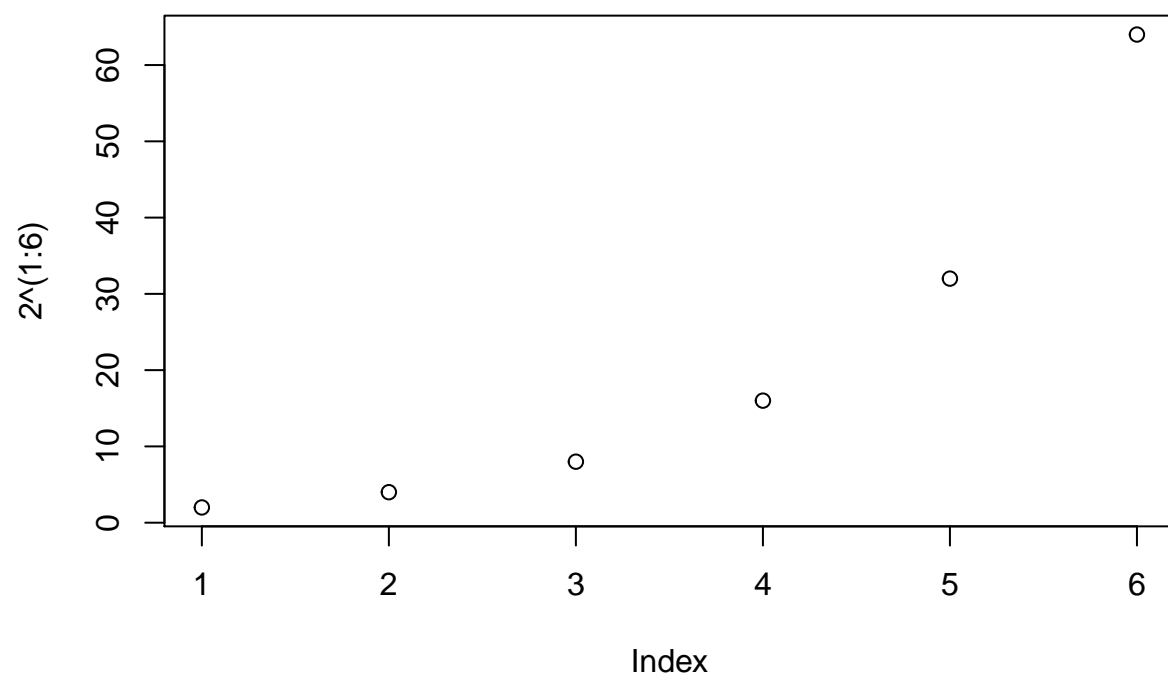Figure 1: Primer Gráfico

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

Figure 2: Segundo Gráfico

```
cuadrado = function(x){x^2}
plot(cuadrado)
```
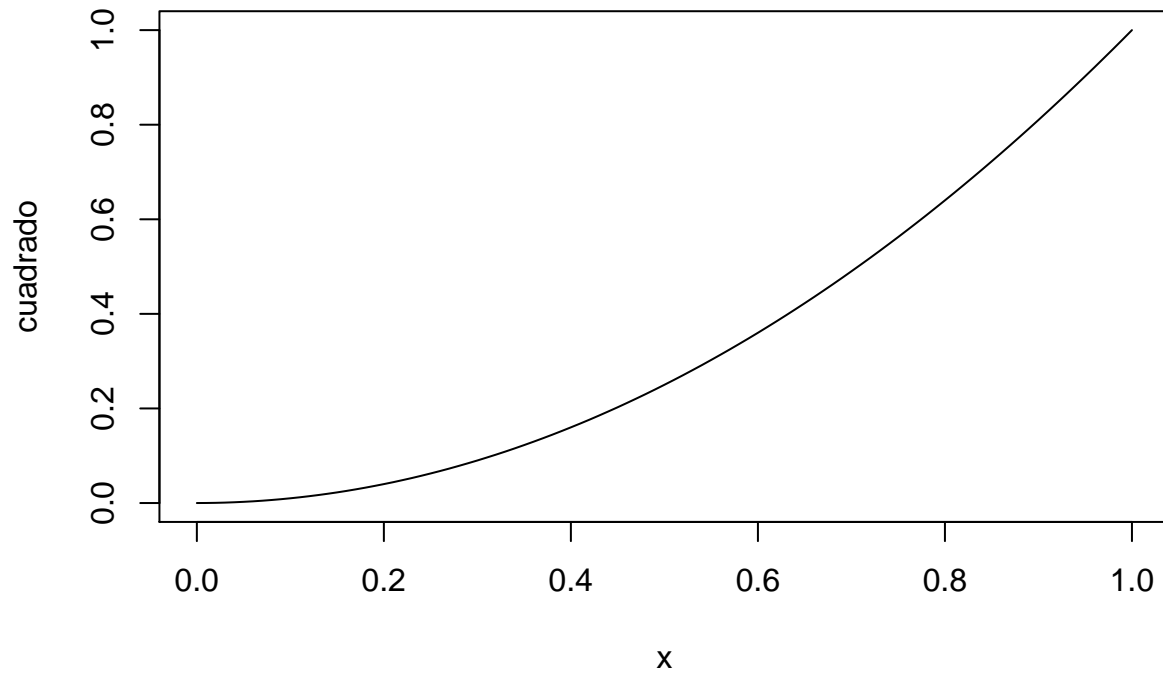


Figure 3: Tercer Gráfico

```
x = c(14,16,18,19)
raiz_cuadrada = function(x){sqrt(x)}
plot(raiz_cuadrada(x))
```

## Parámetros

```
par(mfrow = c(1,2))
x = 1:20
triple = function(x){x ^ 3}
plot(triple(x),xlab = "Indices",
     ylab = "Exponentes",main = "Triple",
     pch = 20 , cex = 2,col = "red")
plot(triple(x),xlab = "Indices",
     ylab = "Exponentes",main = "Triple",
     pch = 20 , cex = 2,col = "blue")
```
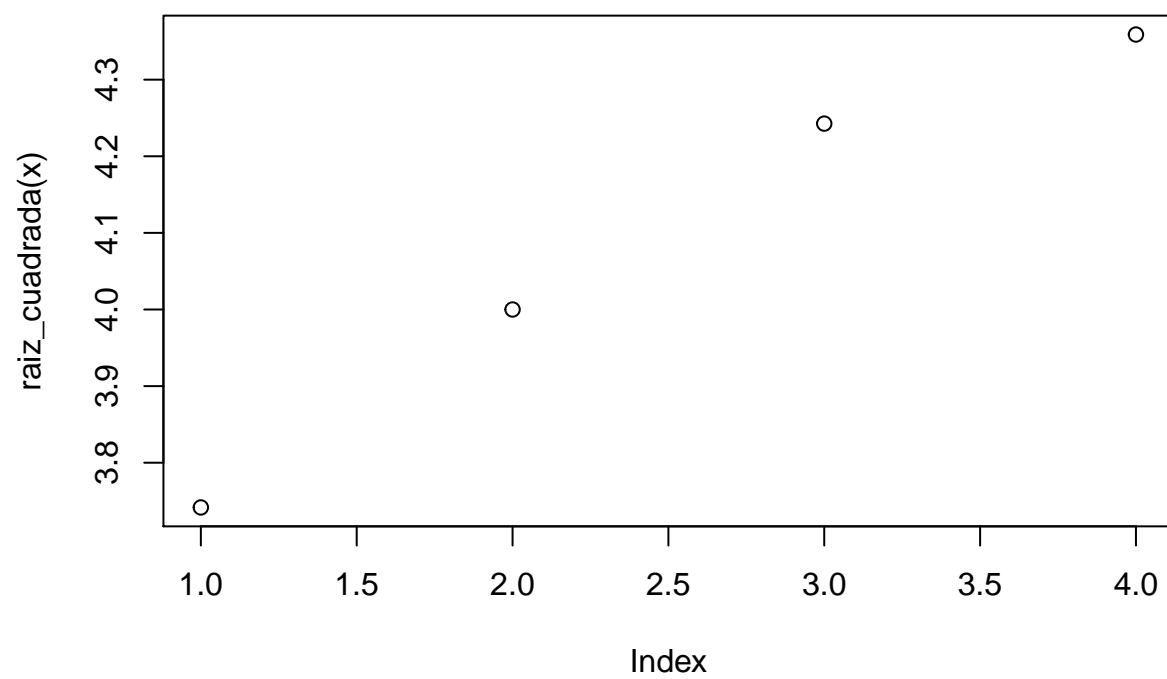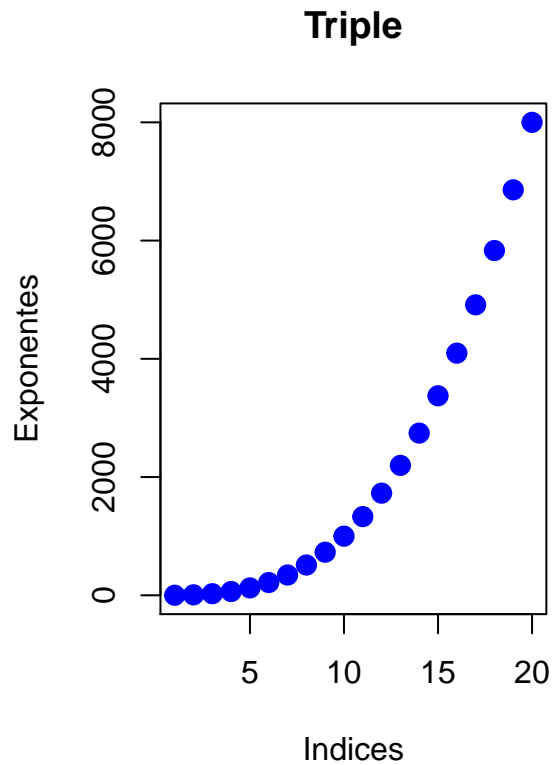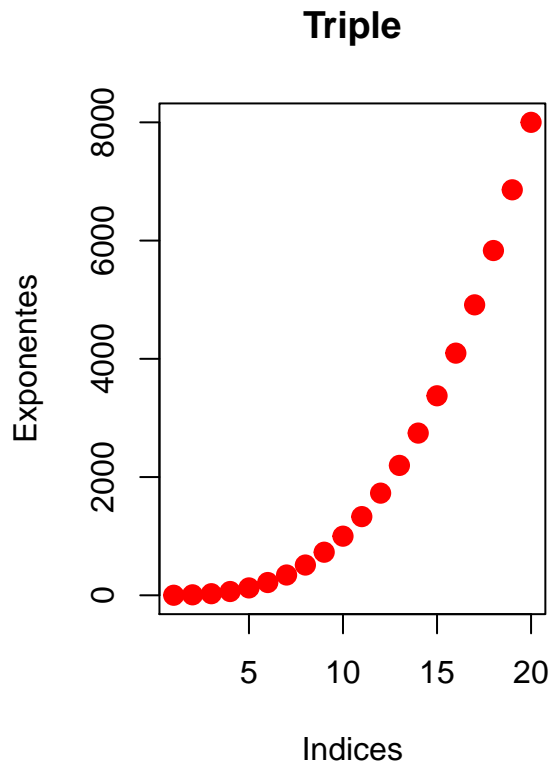
Figure 4: Cuarto Gráfico

**Triple**

**Triple**

```
x = 1:20
logaritmico = function(x){log10(x)}
plot(logaritmico(x),xlab = "indices",
     ylab = expression(f(x)),log = "y",
     main = "Gráfico logarítmico",pch = 20,
     color = "blue",cex = 3)
```

```
## Warning in xy.coords(x, y, xlabel, ylabel, log): 1 y value <= 0 omitted from
## logarithmic plot
```

```
## Warning in plot.window(...): "color" is not a graphical parameter
```

```
## Warning in plot.xy(xy, type, ...): "color" is not a graphical parameter
```

```
## Warning in axis(side = side, at = at, labels = labels, ...): "color" is not a
## graphical parameter
```

```
## Warning in axis(side = side, at = at, labels = labels, ...): "color" is not a
## graphical parameter
```

```
## Warning in box(...): "color" is not a graphical parameter
```

```
## Warning in title(...): "color" is not a graphical parameter
```

**Gráfico logarítmico**



f(x)

indices