

Graficos

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R Graficos con la funcion 'plot'

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

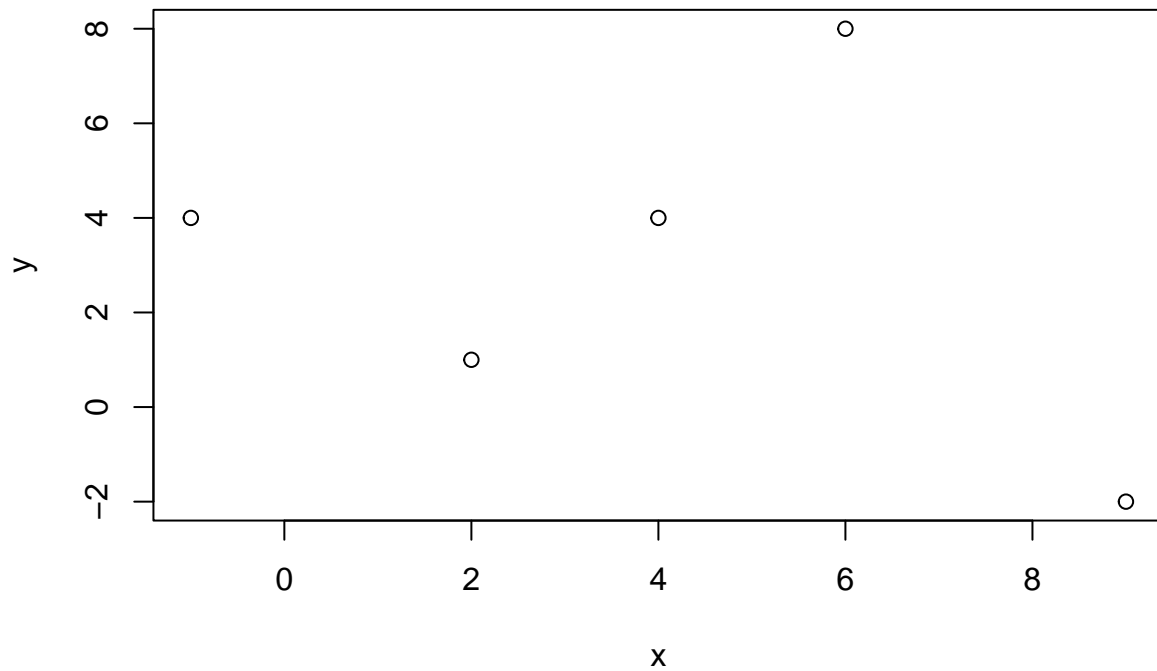
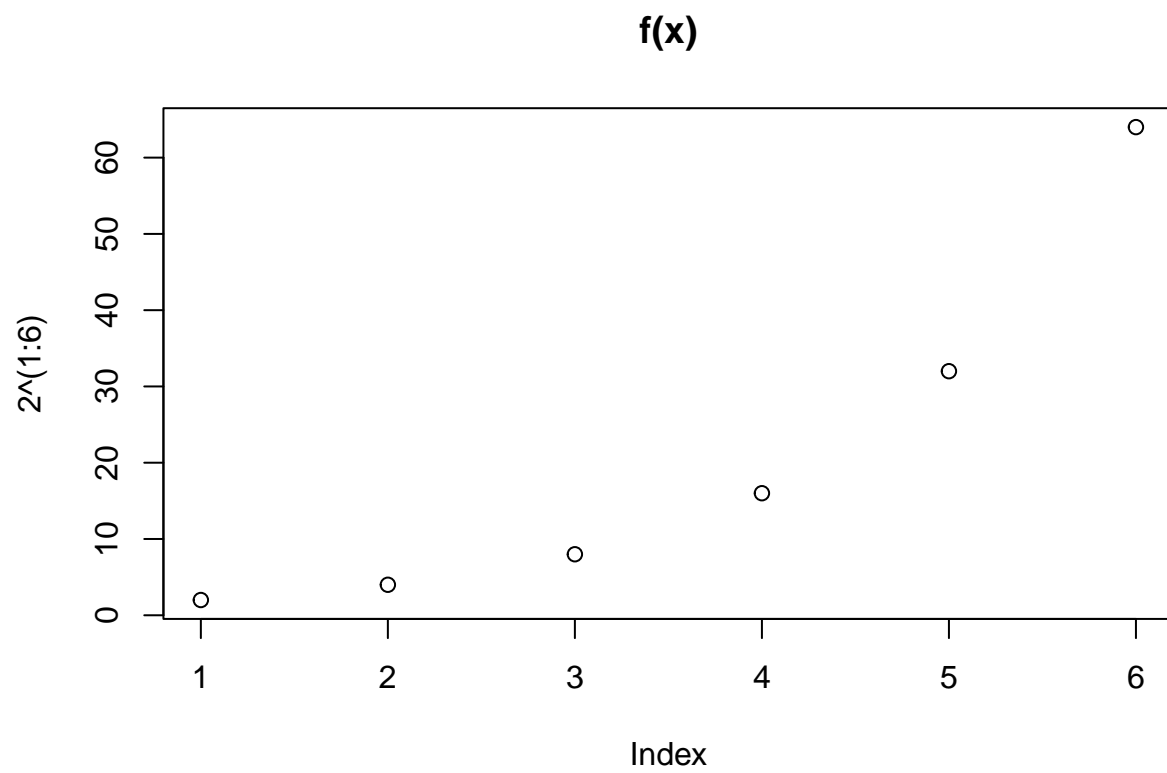


Figure 1: Grafico que explica el uso de 'plot'

Si no incorporamos vector 'y', 'R' nos va a tomar el parametro de 'x' como si fuese el vector de datos 'y'

```
plot(2^(1:6), main = "f(x)")
```



$$f(x) = 2^n$$

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

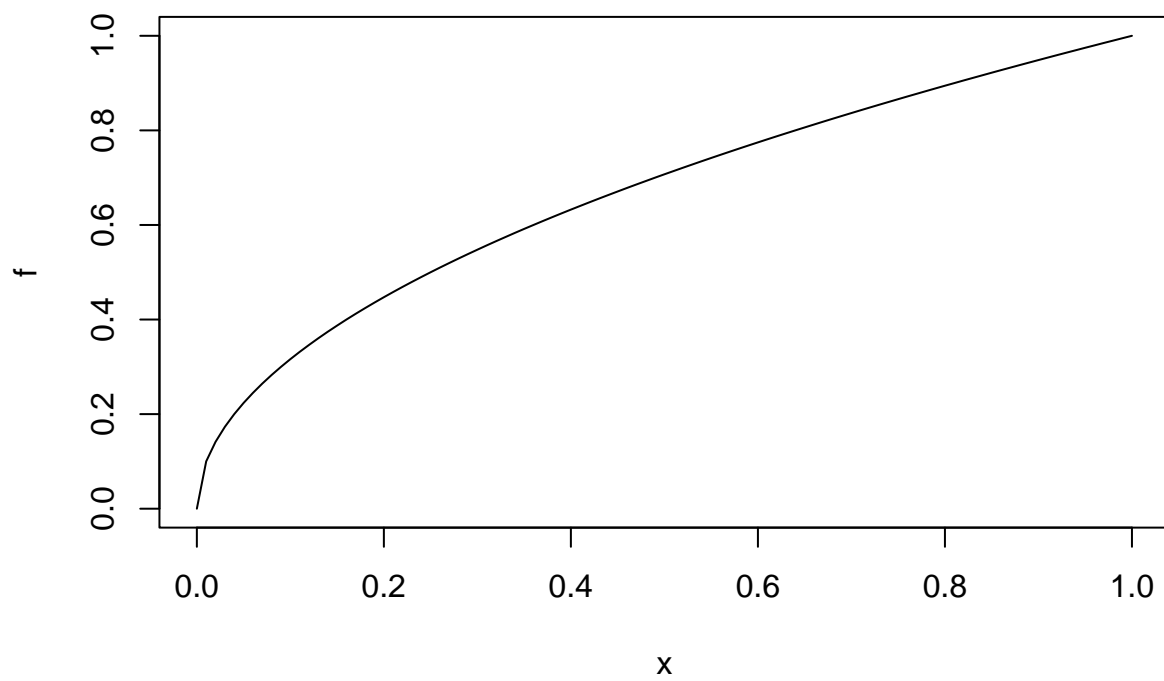


Figure 2: Raiz cuadrada de ' $f(x)$ '

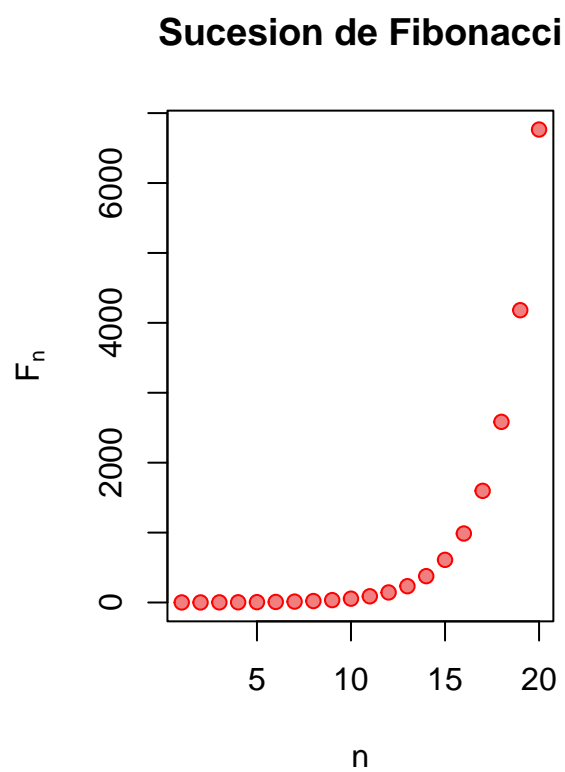
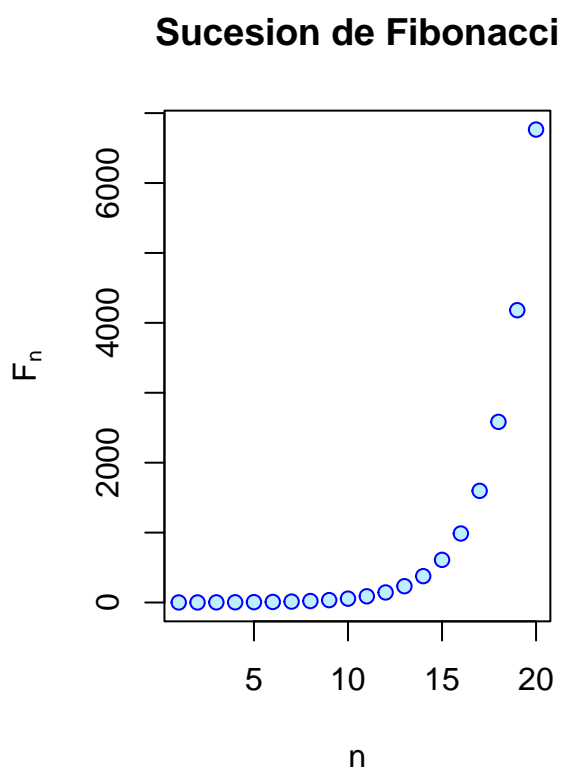


Figure 3: Sucesion de Fibonacci

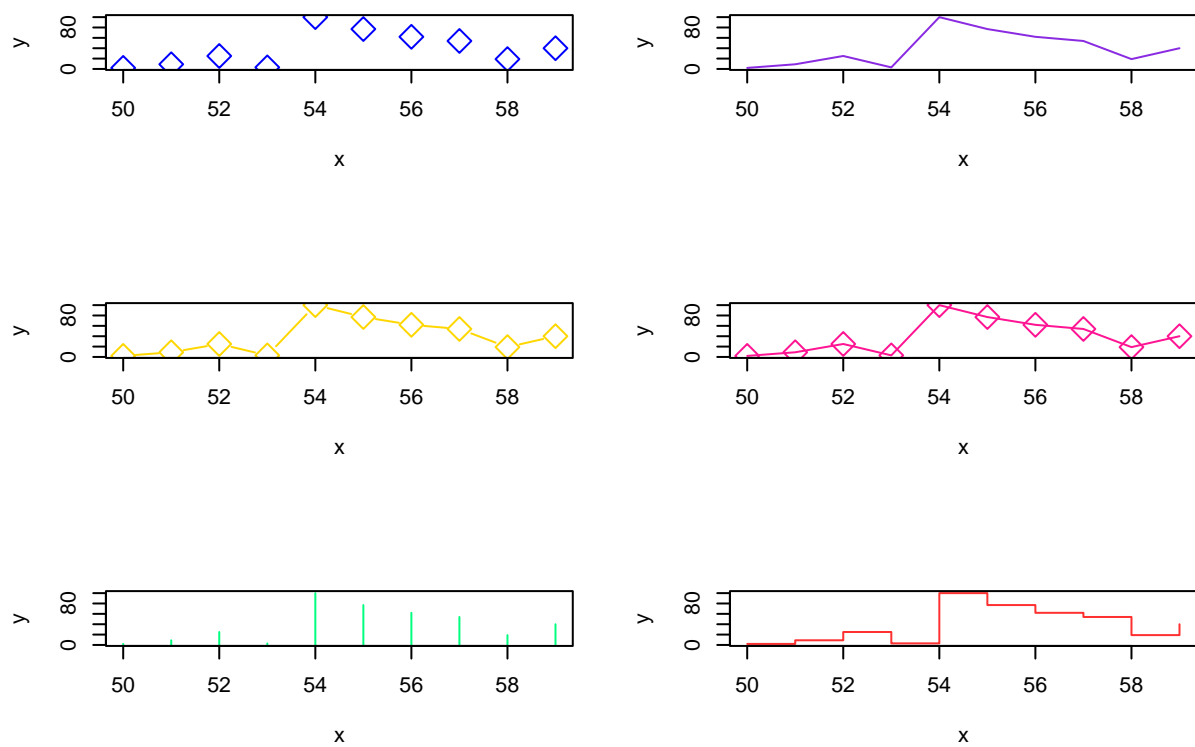
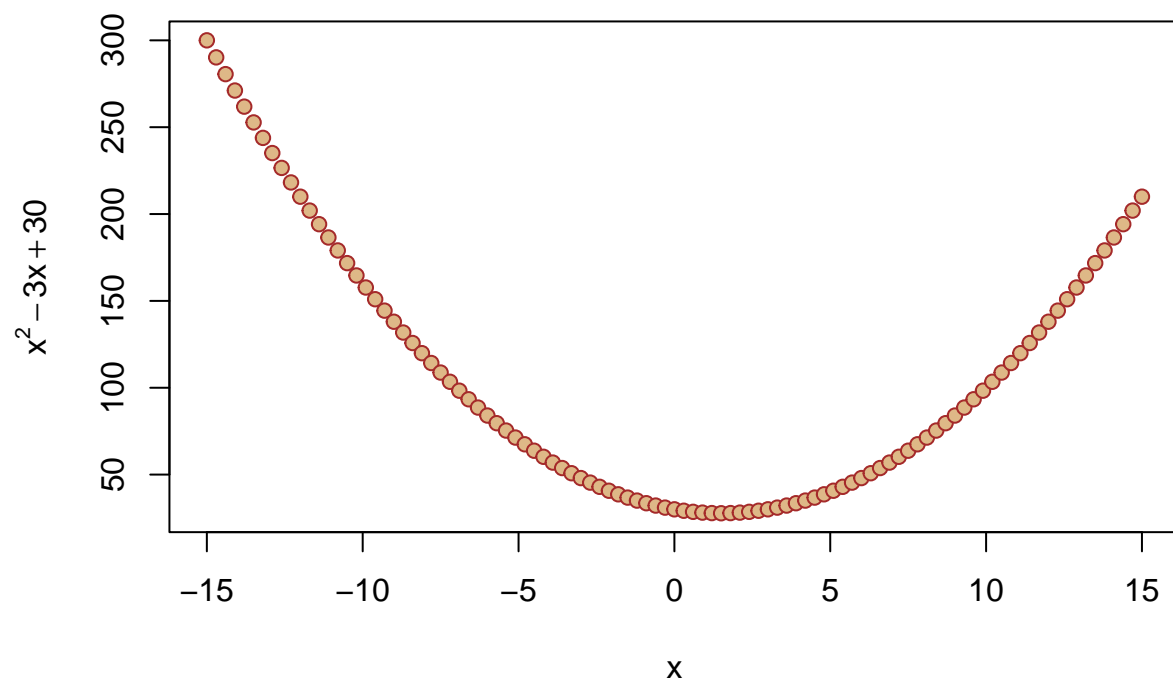
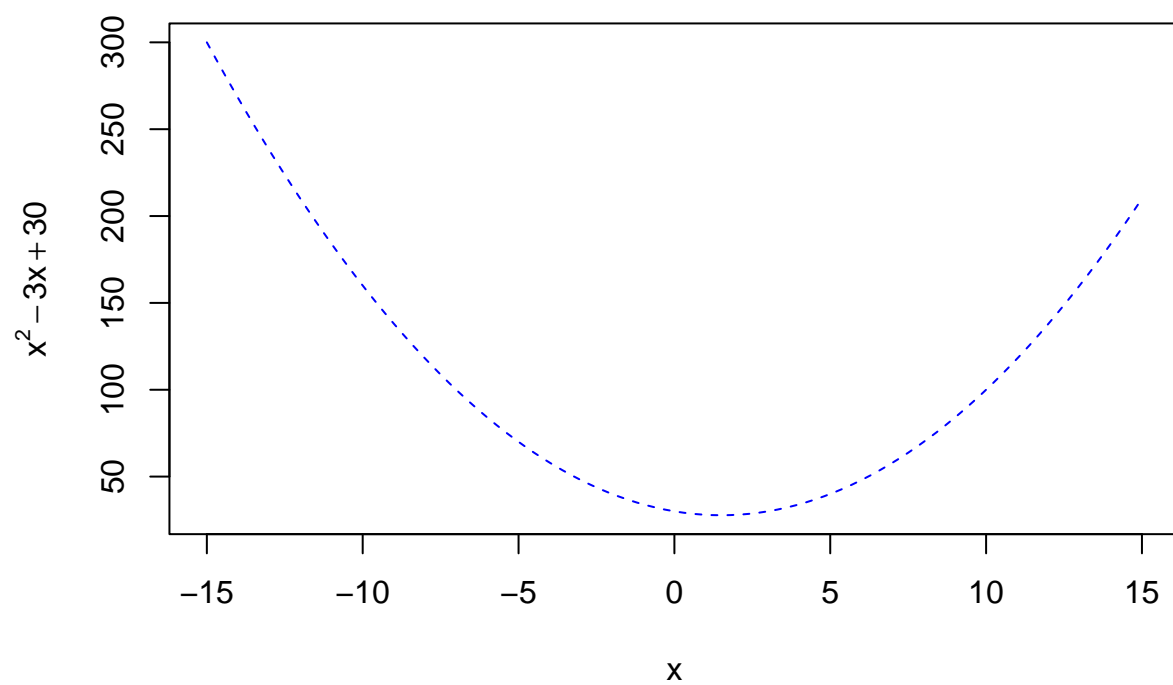


Figure 4: Uso de type en 'R'

Una Parabola



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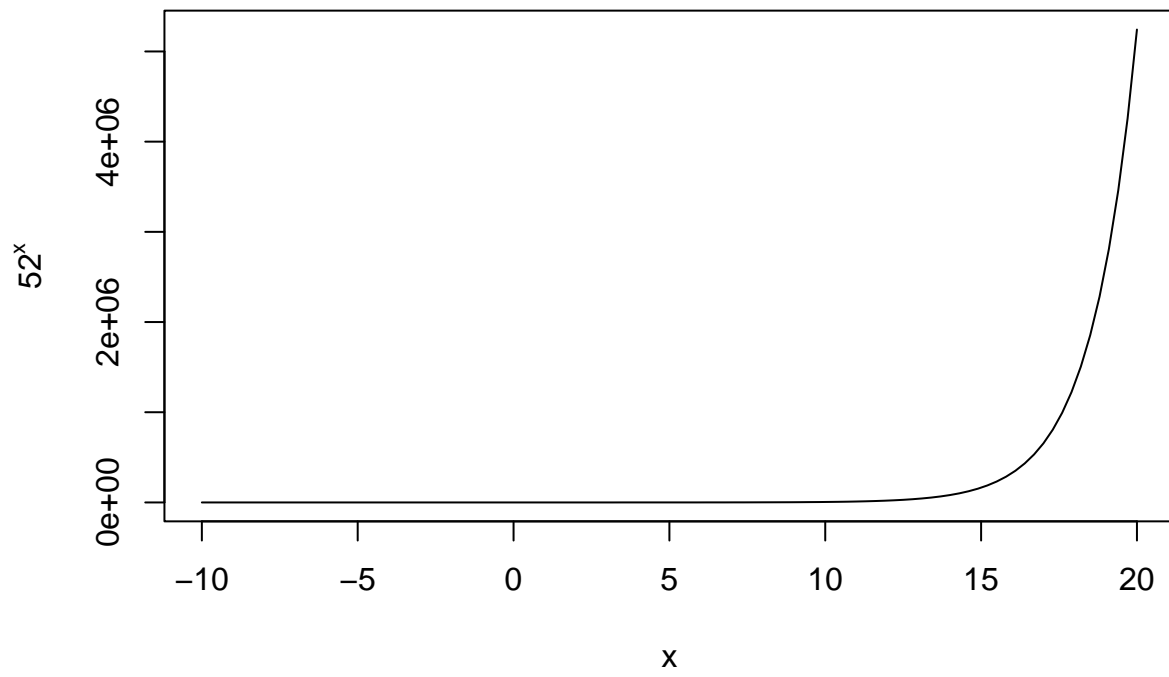


Figure 5: Grafico ejercicio 3

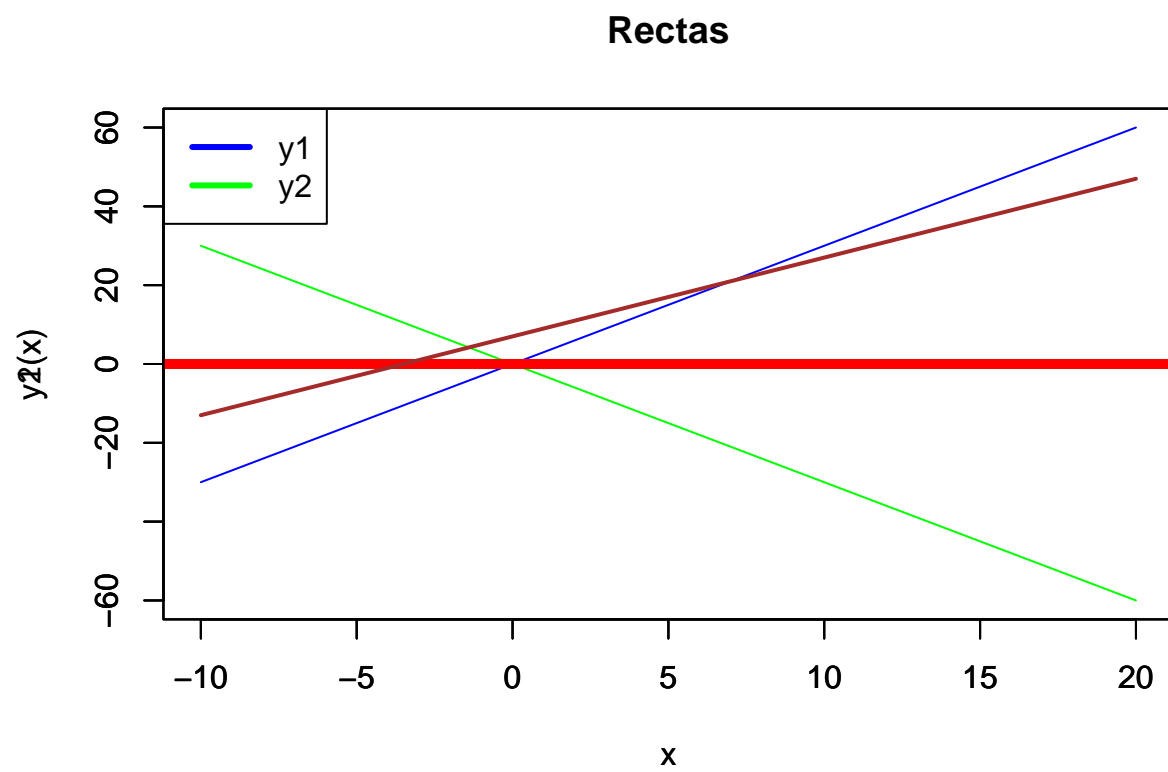


Figure 6: Dos rectas con pendiente opuesto