beginning.qmd

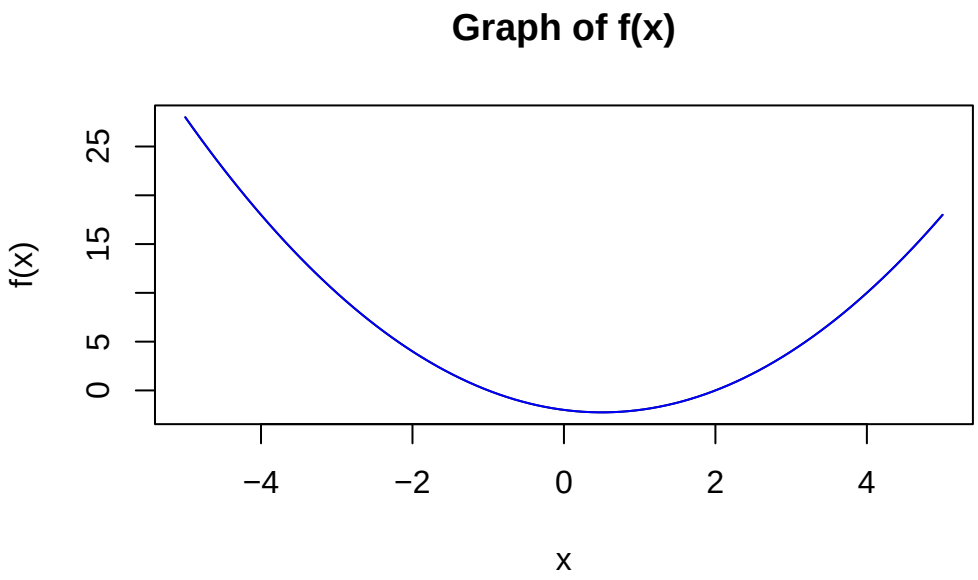
3

```
a <- 1
b <- -1
c <- -2

det <- b^2 - 4*a*c
if (det >= 0){
  root_1 <- (-b + sqrt(det)) / 2*a
  root_2 <- (-b - sqrt(det)) / 2*a
  cat("Real roots:", root_1, root_2, "\n")
}else{
  cat("No real roots\n")
}
```

```
Real roots: 2 -1
```

4

```
x <- seq(-5, 5, length = 100)
f <- function(x) {1 * x^2 - 1 * x - 2}

plot(x, f(x), type = "l", main = "Graph of f(x)",
     xlab = "x", ylab = "f(x)")
lines(x, f(x), col = "blue")
```


Graph of f(x)
f(x)
0
5
15
25
−4
−2
0
2
4
x