

beginning.qmd

3.

```
a = 1
b = -1
c = -2

quadratic = function(a, b, c) {
  discriminant <- (b ^ 2) - (4 * a * c)
  result1 = (-b + sqrt(discriminant)) / (2 * a)
  result2 = (-b - sqrt(discriminant)) / (2 * a)
  result = c(result2,result1)

  return(result)
}

quadratic(1,-1,-2)
```

```
[1] -1  2
```

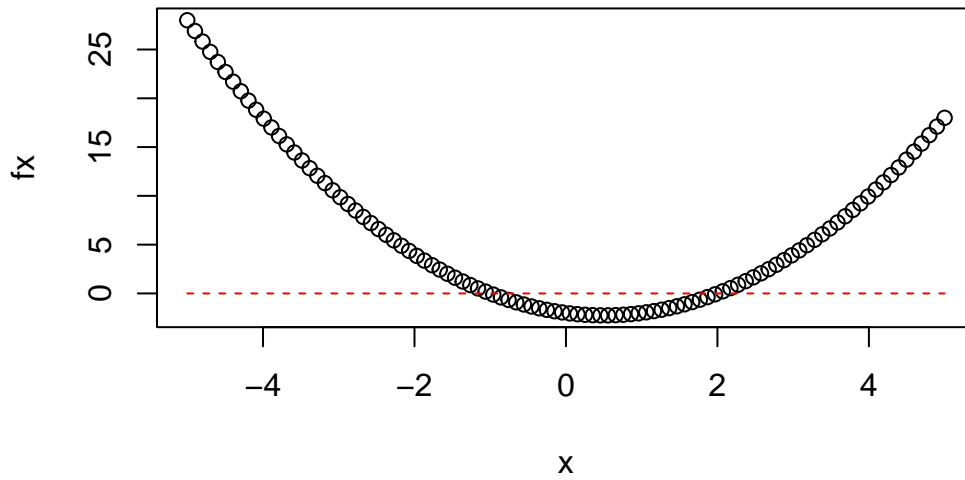
4.

```
x <- seq(-5, 5, length = 100)

fx <- a * x^2 + b * x + c

plot(x,fx)

lines(x, rep(0, length(x)), col = "red", lty = 2)
```



5.

6.

```
#mkdir data
#mkdir results
```

7.

```
#cd data
#nano coefs1.txt
#1 -1 -2
```

8.

```
#pwd
#cd ..
#mkdir code
#cpcp beginning.qmd code/quadratic.qmd
```

9.