#finding 12 factorial using ‘for’ loop

f <- function(x){

#used ‘f’ instead of word ‘factorial’ as it uses ‘R’s native function

y <- 1

for(i in 1:x){

y <-y\*(i)

}

print(y)

}

f(12)

x0<-20

seq(x0,50,5)

a <- 2

b <- -4

c <- -3

#quadratic formula x1=(-b+(b^2-4ac)^(1/2))/2a, x2=(-b-(b^2-4ac)^(1/2))/2a

x1 <- (-1 \* b + (( b ^ 2 - (4 \* a \* c))^(1/2))) / (2 \* a)

x2 <- (-1 \* b - (( b ^ 2 - (4 \* a \* c))^(1/2))) / (2 \* a)

print(c(x1, x2))