(1)

>dev <- c(2:30)

> dev

> dev <- c(30:2)

> dev

> dev <- c(1:30,29:1)

> dev

> dev <- c(4,6,3)

> dev

>e <- c(5:7,5:7,5:7,5,5)

>e

>f <- c(rep (c(5:7),times=10),5)

> f

> g <- c(rep(c(4,6,3),times=c(10,20,30)))

> g

(2)

> x <- seq(3,6,by=0.1)

> x

> formula <- exp(x)\*sin (x)

> formula

(3)

> x <- sample (0:999, 250, replace=T)

> y <- sample (0:999, 250, replace=T)

a)

> a <- subset (y,y>500)

> a

b)

> b <- which(y>700)

> b

c)

> c <- which (y>400)

> c

> x[c]

d)

> y[y>(max(y)-200)]

e)

> d1 <- table (x%%2)

> d1

> d <- d1[names(d1)==0]

> d

f)

g)

> g <- rep (c(0), times=248)

> for (i in 3:250){

+ g[i-2] <- x[i-2]+ (2\*x[i-1]) - x[i]}

> g

h)

> h=0

> for (i in 1:249){

+ h=h+ (exp((-x[i]+10)/x[i]) + 10)}

> h