#Chapter6

#Problem8(a)

set.seed(1)

x <- rnorm(100)

eps <- rnorm(100)

#Problem8(b)

set.seed(2)

#select coeffiencients:b0=1,b1=2,b2=-2,b3=0.5

b0 <- 1

b1 <- 2

b2 <- -2

b3 <- 0.5

y <- b0 + b1 \* x + b2 \* x^2 + b3 \* x^3 +eps