HW3

least.squares=function(X,Y)

{X1=t(X)

b=function(A,B) A%\*%B

C=b(X1,X)

D=solve(C)

E=b(D,X1)

beta=b(E,Y)}

determinant=function(X)

{a=nrow(X)

A=eigen(X)$value

b=1

for(i in 1:a)

{b=b\*A[i]

}

b

}