**BOTT GABRIEL PAM**

**PETROLEUM ENGINEERING**

**17/ENG07/008**

**ASSIGNMENT 3**

commandwindow

clc

clear

close all

syms x y z i j k

phi=x^(2)\*y\*z^(3)+ x\*y^(2)\*z^(2)

G=diff(phi,x)

A=diff(phi,y)

B=diff(phi,z)

x=1

y=3

z=2

Gn=subs(G)

An=subs(A)

Bn=subs(B)

Gnn=subs(Gn)\*i

Ann=subs(An)\*j

Bnn=subs(Bn)\*k

F= Gnn+ Ann+ Bnn