1.

(i)

Let f(x)=X^2-3x+2

df(x) = 2x-3

x0=5

Error = 0.00001

N=8

f(x0)=12

x1=3.285714

root = 2.0000000

step = 6

(ii)

Let f(x)=X^2-3x+2

df(x) = 2x-3

x0=0

Error = 0.00001

N=8

f(x0)=2

x1=0.666667

root = 1.0000000

step = 5

1. ex

(i)

Let f(x)=3\*x-cos(x)-1

df(x) = 3+sin(x)

x0=2

Error = 0.00001

N=15

f(x0)=5.416147

x1=0.614547

root = 0.607102

step = 3