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%ROLL NO:TYMEB228

%BATCH:B4

```
f=inline('(x^2+8*x-4)');
x1=input('enter the value of x1:');
x2=input('enter the value of x2:');
n=input('enter the number of iteration:');
y1=f(x1)
y2=f(x2)
while((y1*y2)>0)
    x1=input('enter the value of x1 again:');
    x2=input('enter the value of x2 again:');
    y1=f(x1)
    y2=f(x2)
end
for i=1:n
    x3=(x1+x2)/2
    y3=f(x3)
    if((y1*y3)<0)
        x2=x3
        y2=y3
    else
        x1=x3
        y1=y3
    end
end
fprintf('print root x3=%f',x3);
```