Given the three numbers a(=8), b(=4),c and constant value PI=3.1415, calculate and display the following result using macros (preprocessor directives)
a) c = PI * mult(a,b) //the macro mult(a,b) perform the multiplication of a & b(a*b)
b) c= PI* sum(a,b) //the macro mult(a,b) perform the sum of a & b (a+b)
c) c= PI *sub(a,b) //the macro mult(a,b) perform the subtraction of a & b (a-b)
d) c= PI*div(a,b) //the macro mult(a,b) perform the division of a & b (a/b)

```
#include<stdio.h>//a
#include<conio.h>
#define PI 3.1415
#define mult(x,y)(x*y)
int main()
{
   int a=8,b=4;
   float c;
   c=PI*(mult(a,b));
   printf("%f",c);
   return 0;
}
```

```
#include<stdio.h>//b
#include<conio.h>
#define PI 3.1415
#define sum(x,y)(x+y)
int main()
{
   int a=8,b=4;
   float c;
   c=PI*sum(a,b);
   printf("%f",c);
   return 0;
}
```

```
#include<stdio.h>//c
#include<conio.h>
#define PI 3.1415
#define sub(x,y)(x-y)
int main()
{
   int a=8,b=4;
```

```
   float c;
   c=PI*sub(a,b);
   printf("%f",c);
   return 0;
}

#include<stdio.h>//d
#include<conio.h>
#define PI 3.1415
#define div(x,y)(x/y)
int main()
{
   int a=8,b=4;
   float c;
   c=PI*div(a,b);
   printf("%f",c);
    return 0;
}
```