**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;**

**}**