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Turn this sheet to your lab instructor at the end of the lab for grading.

Step 2:

Answer the following 5 questions by manually tracing the nine functions given in lab sheet.

1. (10 pts.) For the **first cout** statement, which **sum** is called?

First sum is called

2. (10 pts.) For the **second cout** statement, which **sum** is called?

Second sum is called

3. (10 pts.) For the **third cout** statement, which functions are called? In this case, **give the order that the functions are called as well.**

//Fourth sum

int sum(int x, int y, int z);

//Sixth sum

int sum(int a, int b, int c, int d);

4. (10 pts.) For the **fourth cout** statement, which functions are called? In this case, **give the order that the functions are called as well.**

//Eighth sum

double sum(int a, double b, int c, double d, int e, double f);

//Ninth sum

double sum(double a, double b, double c, double d, double e, double f);

5. (10 pts.) For the **fifth cout** statement, which functions are called? **In this case, give the order that the functions are called as well.**

//Ninth sum

double sum(double a, double b, double c, double d, double e, double f);

//Eighth sum

double sum(int a, double b, int c, double d, int e, double f);

Step 3: For questions 6 – 9, make the changes and compile and run the program.

6. (10 pts) **Explain** what happens if you **remove** the **&** sign from the **getNum** function **declaration** (prototype) and **the function heading**. **Don't forget to put the & back before moving on to the next question.**

You get a runtime error as num is not defined, but &num is

7. (10 pts) Similarly **explain** what happens if you remove the **&** from **findMin** function declaration and the function heading. **Don't forget to put the & back before moving on to the next question.**

You get the same error where the reference to the variable is not defined

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8. (10 pts) **Explain** what happens if you change the order of *actual arguments* in the **function call**

```
findMin(minimum, number);
```

to

```
findMin(number, minimum);
```

The minimum number is the first number to print out

9. (10 pts) Explain what happens if you **remove the call** to the function **getNum(number)**; Comment (//) this statement out and run the program to find out the outcome. **Make sure that you remove the // before moving on to the next question (b)**

9a. **Before** the while loop.

You get an uninitialized error

9b. **Inside** the while loop

You get stuck in an infinite loop

10. (10 pts) Identify and write the names of **value and/or reference** parameters in the following functions. Write the word **none** if there are no value/reference parameters.

	getNum	findMin
value parameters:	none	curNum
reference parameters:	&num	&curMin