USING CALL BY VALUE AND CALL BY REFERENCE Programming 2 Assignment 3

ALTHEA AMOR J. ASIS BSIT 1-2 Try to trace the program below manually first and then verify your answers by encoding the program and then execute it. Please be honest to yourself so that you can gauge if you understood the lesson or not. God bless everyone!

1. Write your answer inside the box provided.

```
#include<stdio.h>
#include<conio.h>
void func1(int x, int y, int z)
\{ x = 5; y = 2; z = 4; 
  X++;
  y = x + z;
  z = z + y;
printf("%3d%3d%3d\n", x,y,z);
void func2 (int x, int y, int z)
 x += 2;
 y = x + y;
 z = x + y;
printf("%3d%3d%3d\n", x,y,z);
 func1(x,y,z);
 func1(z,x,y);
printf("%3d%3d%3d\n", x,y,z);
 main()
{ //clrscr();
 int x,y,z;
 x = 1; y = 2; z = 3;
printf("%3d%3d%3d\n", x,y,z);
 func1(x,y,z);
 func2(x,y,z);
 func1(y,z,x);
 func2(z,z,z);
printf("%3d%3d\n", x,y,z);
 getch();
```

```
6_10_14
6 10 14
6_10_14
5_8_13
6_10_14
6_10_14
```

2. Write your answer inside the box provided

```
#include<stdio.h>
#include < conio.h >
int x=5, y=9, z=7;
int functl( int x, int y, int z)
z = x + y;
    return z;
int funct2(int *x, int *y, int *z)
{ *z = *x + *y;}
  return *z;
                                           146 212 358
int funct3(int *x, int y, int *z)
{y = *x + *z;}
return y;
main()
{ printf("%5d%5d%5d\n", x,y,z);
  printf("%5d%5d%5d\n", x,y,funct1(x,y,z));
  y = funct2(\theta x, \theta y, \theta z);
  z = funct1(x,y,z);
  printf("%5d%5d%5d\n", x,y,z);
  x = funct3(\theta y, z, \theta x);
  z = functl(x,y,z);
  printf("%5d%5d%5d\n", x,y,z);
  x = functl(z,z,z);
  y = funct2(\theta y, \theta x, \theta z);
  z = funct3(\theta x, y, \theta z);
  printf("%5d%5d%5d\n", x,y,z);
  y = funct3(\theta y, x, \theta z);
  x = functl(x,y,z);
  printf("%5d%5d%5d\n", z,y,x);
  return 0;
```

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80 146