

Please the walk-through for this by yourself first, before asking for help from anyone. What is the output from the following program fragment? You may assume it is part of a complete, correct C++ program. Do this by hand, writing your output on the lines provided. After you finish the code-walk-through, get together with someone and compare notes. If your answers disagree, figure out which one (if any!) is correct. After checking your work, write the program using a C++ IDE (one program, and a group of two or three) and use it to check your by-hand work. Do the code walk-through yourself and turn in this sheet after checking it with someone in your group. Send me one email for the group, attaching your test program and its output. Due 8/30/18.

```
int mystery( int a, int b )
{
    int c = a + b;
    b = a + c;
    a += c + b;
    cout << "a = " << a << " b = " << b << " c = " << c << endl;
    return a + b + c;
}

int main()
{
    int a = 2, b = 5, c;
    c = mystery( b, a );
    cout << "a = " << a << " b = " << b << " c = " << c << endl;
    b = mystery( a, c );
    cout << "a = " << a << " b = " << b << " c = " << c << endl;
    return 0;
}
```

Now, again with the following change to the function mystery():

```
int mystery( int &a, int b )
```

Now, again with the following change to the function mystery():

```
int mystery( int a, int &b )
```

Now, again with the following change to the function mystery():

```
int mystery( int &a, int &b )
```

For reference, here is the code again:

```
int mystery( int a, int b )
{
    int c = a + b;
    b = a + c;
    a += c + b;
    cout << "a = " << a << " b = " << b << " c = " << c << endl;
    return a + b + c;
}

int main()
{
    int a = 2, b = 5, c;
    c = mystery( b, a );
    cout << "a = " << a << " b = " << b << " c = " << c << endl;
    b = mystery( a, c );
    cout << "a = " << a << " b = " << b << " c = " << c << endl;
    return 0;
}
```