1. Consider the following program:

```cpp
// Function prototype
void SumDiff (int num1, int num2, int& num3, int& num4);

int main ()
{
    int w, x, y, z;
    x = 3;
y = 2;
z = 5;
w = 6;

    cout << "   x   y   z   w" << endl;
    cout << "   " << x << "   " << y << "   " << z << "   " << w << endl;
    SumDiff (x, y, z, w);
    cout << "   " << x << "   " << y << "   " << z << "   " << w << endl;
    SumDiff (z, w, y, x);
    cout << "   " << x << "   " << y << "   " << z << "   " << w << endl;
    return 0;
} // end main

void SumDiff (int num1, int num2, int& num3, int& num4)
{
    num3 = num1 + num2;
    num4 = num1 - num2;
} // end SumDiff
```
Answer the following questions

a. (5 points) Which variables are value parameters? Which variables are reference parameters? What is the difference between a value parameter and a reference parameter?

b. (5 points) What is the output of this program?

2. We would like a function named ConvertTime that converts a time in military format (i.e., 24-hour notation) into standard format (i.e., 12-hour notation with AM/PM). For example, 1425 converts to 2:25PM. The function receives the military time and should pass back the hours, minutes, and AM/PM information of standard time. The AM/PM information should be represented by a value of type char, 'A' for AM and 'P' for PM.

a. (5 points) Write an analysis and design conforming to the on-line handout An Analysis and Design Style Guideline for this function

b. (5 points) Write a C++ function definition for this function.