Sheet 1

Exercise 1:

```cpp
#include <iostream>
using namespace std;

void main(){

    cout<<"Oh What \n"<<
        "A happy Day! \n"<<
        "Oh yes,\n"<<
        "What a happy day! \n";

}
```

Exercise 2:

Part A => 1 2 3 4

Part B => 1 2 3 4

Part C => 1 2 3 4

Exercise 3:

the sum is 18

The product is 80

Exercise 4:

```cpp
#include <iostream>
using namespace std;
void main(){

        int x , perimeter ,area ;

        cout<<"Enter the side length of the square: ";

        cin>>x;

        perimeter = x * 4;

        area     = x * x;

        cout<<"Perimeter is "<<perimeter<<endl;

        cout<<"Area is "<<area<<endl;

}
```

Exercise 5:

```cpp
#include <iostream>
#include <math.h>
using namespace std;
int main(){

        int rad , diameter ,circumference ,area ;

        const int π = 3.14 ;

        cout<<"Enter the radius of the circle: ";

        cin>>rad;

        diameter         = rad * 2;

        circumference  = 2 * π * rad ;

        area                = π * pow(rad,2);

        cout<<"circumference is "<<circumference<<endl;

        cout<<"diameter is "<<diameter<<endl;

        cout<<"Area is "<<area<<endl; }
```

Exercise 6:

Error 1 ➜[require " "] **in** [cout<< you can pat yourself on]   Solve ➜[cout<<"……………"]

Error 2 ➜[endl;] **in** [cout<<" endl ; "]   Solve ➜[\n] or remove Double quotation

Error 3 ➜ [.] **In** [<< " the back!"<<endl.]   Solve ➜ replace with [;]

Error 4 ➜ [,] **in** [cout<<" If this text ",]   Solve ➜replace with [;]

Error 5 ➜ [>>] **in** [cout>>" appears on your display , " ;] Solve ➜[<<]

Correct program ➜

```
#include <iostream>
using namespace std;
int main(){

            cout<<" If this text ";
            cout<<" appears on your display , " ;
            cout<<endl ;
            cout<< "you can pat yourself on"
            << " the back!"<<endl;
}
```