

1.

- a)

0
2
4
6
8
- b)

i

2.

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

int main() {
    double a1, a2, a3, e, c;
    cout << "Enter three angles: ";
    cin >> a1 >> a2 >> a3;
    e = (a1 + a2 + a3) - 180;
    c = e / 3;
    cout << "Average error = " << e << endl;
    cout << "Corrected angles = "
         << a1 - c << ", "
         << a2 - c << ", "
         << a3 - c << endl;
}
```

3.

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

int main() {
    int n, num, max, min;
    cout << "How many numbers: ";
    cin >> n;
    cout << "Enter the first number: ";
    cin >> num;
    max = min = num;
    for (int i = 1; i < n; i++) {
        cout << "Enter the next number : ";
        cin >> num;
        if (max < num)
            max = num;
        if (min > num)
            min = num;
    }
    cout << "The range = " << max << " - " << min
         << " = " << max - min << endl;
    return 0;
}
```

4.

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

int main() {
    int number, factorial = 1;
    do {
        cout << "Enter a positive integer: ";
        cin >> number;
    } while (number < 0);
    for (int i = 1; i <= number; i++)
        factorial *= i;
    cout << number << "! is " << factorial << endl;
    return 0;
}
```