Write a program that requests that the user enters three floating-point values on separate lines and then displays them along with their average. You are to use exactly three double variables and no others.

When testing your program, your output should match my example provided below. My input is in bold.

```
[williams@bobby 03]$ ./a.out
Enter a value: 4
Enter a value: 5
Enter a value: 6
The values are 4, 5, and 6
The average is 5
```

```
[williams@bobby 03]$ ./a.out
Enter a value: 6
Enter a value: 10
Enter a value: 33
The values are 6, 10, and 33
The average is 16.3333
```

```
[williams@bobby 03]$ ./a.out
Enter a value: 3.14159
Enter a value: 2.71828
Enter a value: 1.618
The values are 3.14159, 2.71828, and 1.618
The average is 2.49262
```

Do not forget the protocol is the same as for the first assignment:

- Submit to williams with assignment code 03 on bobby before the deadline
- Print out your source code, staple the requisite cover sheet to the front, turn in at the beginning of your lecture section