```
1 #include <iostream>
 2 #include "A7CH.h"
 3
 4 using namespace std;
 5
 6 int main() {
 7
       // Try the constructor
 8
       v2d<double> v1(3.4, 0.7);
 9
       v2d<int> v2(0, -4);
       v2d<double> v3(3, 2);
10
11
12
       // Try the copy constructor
       v2d<int> v4(v2);
13
14
15
       // Try the overloaded operator
       cout << "v1 = " << v1 << endl;
16
17
       cout << "v2 = " << v2 << endl;
       cout << "v3 = " << v3 << endl;
18
       cout << "v4 = " << v4 << '\n' << endl;
19
20
21
       // Try other operators
                                   << v2 + v4 << endl;
22
       cout << "v2 + v4 : "
       cout << "v2 : "
23
                                   << v2 << '\n' << endl;
                                << v1 * v3 << '\n' << endl;
24
       cout << "v1 * v3 : "
       cout << "v1 * k (k = 4) : " << v1 * 4 << endl;
25
26
       cout << "v1 : "
                                  << v1
                                             << endl;
27
28
       return 0;
29 }
```