

6. Given the following source code and error list, correct the source code. Write the corrected code in the blank lines. There may be multiple errors per line.

```
1  /*
2  File:    polynomial.cpp
3  Purpose: evaluates two polynomials
4  Author:  Garth Sorenson
5  Date:    10 Sep 1999
6  */
7
8  #include <iostream>
9  using namespace std;
10
11 int main()
12 {
13     double x;
14     cout << "Enter a value for x: ";
15     cin << x
16
17     double y1;
18     y = 3 * x * x + 2x + 1;
19
20     cout << "y1 = " << y << end;
21
22     double y2;
23
24     y2 = 3 * x * x - 2 * x - 1;
25
26     cout << "y2 = " << y2 << endl;
27
28     return 0;
29 }
```

17: error C2676: binary '<<' : 'std::istream' does not define this operator or a conversion to a type acceptable to the predefined operator

17: error C2144: syntax error : 'double' should be preceded by ';'

18: error C2065: 'y' : undeclared identifier

18: error C2059: syntax error : 'bad suffix on number'

18: error C2146: syntax error : missing ';' before identifier 'x'

18: warning C4552: '+' : operator has no effect; expected operator with side-effect

20: error C2065: 'y' : undeclared identifier

20: error C2065: 'end' : undeclared identifier

22: error C2059: syntax error : ':'

24: error C2059: syntax error : ';'

28: error C2440: 'return' : cannot convert from 'const char [2]' to 'int'

7. Do error messages always correspond to the exact line of the error in the source code? Explain.