C201 Review Questions #9

With following small program, indicate which member function of String is called.
Feel free to talk with those around you.

```
#include <iostream>
#include "String.cpp"

void main()
{                           // place number of member function
   String S1 = "ABCD";              // _____
   String S2;                       // _____
   S2 = S1;                         // _____
   String S3 = S1;                  // _____
   S3 = "XYZ";                      // _____
   cout << S3;                      // _____
   S2 = S1 + "Hello";               // _____
   cin >> S2;                       // _____
   S3 = "HI" + S1;                  // _____
}
```

*********************** Member Functions of String Class ********************
```
1) unsigned Length() const;
2) unsigned MaxLength() const;
3) String (const String &S);
4) String();
5) String (unsigned Length);
6) String (const char P[]);
7) String& operator= (const char *Rhs);
8) String& operator= (const String &Rhs);
9) String& operator+ (const String &Rhs);
10) friend String& operator+(const char P[], const String &Rhs);
11) String& operator+(const char P[]);
12) friend ostream& operator << (ostream &Out, const String &S);
13) friend istream& operator>> (istream &In, String &S);
```