CS 7A – Spring ’13 Lab 03 Name_____

Each of the following programs has an error. Locate the error, classify it as either a syntax error, a (non-syntax) compile-time error, a link-time error, a run-time error, or a logical error, and then correct it.:

a.
```
#include <iostream>
using namespace std;
int main()
{   float x = sqrt(9.11);
    cout << x << endl;
}
```

b.
```
#include <iostream>
using namespace std;
int main()
{   int n = 3;
    n /= n*n - 9;
    cout << n << endl;
}
```

c.
```
#include <iostream>
using namespace std;
int main()
{   int n *= 4;
    cout << n << endl;
}
```

d.
```
#include <iostream>
using namespace std
int main()
{   int n = 314;
    cout << n << endl;
}
```

e.
```
#include <iostream>
using namespace std;
int main()
{   float x = 1.10101e28;
    x *= x;
    cout << x << endl;
}
```

f.
```
int main()
{   float x = 100.0;
}
```

g.
```
#include <iostream>
#include <cmath>
using namespace std;
int main()
{   float x = 200.0;
    cout << pow(x, -x) << endl;
}
```

h.
```
#include <iostream>
#include <cmath>
using namespace std;
int main()
{   float x = sqrt(-9.00) ;
    cout << x << endl;
}
```