Question (Concepts of Programming Languages).

Consider the following pseudo-code in an imperative language:

```
a) inside h()
int x = 1, n = 10;
function f () {
     int x = 3;
                                                 inside f()
      function g (int c,d,e) {
           c = c-1;
           print(c,d,e,x,n);
      } /* end of g
                                                     9(3,3,9)
      /* body of f *
     g(x,x,x*x);
} /* end of f */
function h () {
     int n = 2;
     f();
} /* end of h */
main() { h(); }
```

- a) Suppose that the language uses lexical scoping and pass by value What is printed?
- b) Suppose that the language uses dynamic scoping and pass by reference. What is printed?
- c) Suppose that the language uses dynamic scoping and pass by name. What is printed?