Code Review Checklist

1. Documentation:
   a) Good comments. Not too many, not too few.
2. Syntax:
   a) Typos: spelling or punctuation.
   b) Missing braces, brackets, or parenthesis.
   c) Good variable, function, and class names.
   d) Consistent variable, function and class names.
   e) Good use of tabs and spacing.
   f) Consistent use of braces, brackets, and parentheses.
3. Assignment:
   a) Variables are initialized.
   b) Use of constants where necessary.
   c) Variables in the correct scope.
   d) Correct range (not walking off an array).
   e) Correct type casting.
   f) Use null checks when necessary.
4. Function:
   a) Pointers: dereferencing.
   b) Loops
   c) Logic: =/==, etc.
   d) Correct use of if/else if/else if/else.
5. Interface:
   a) File I/O: close open files, etc.
   b) Use of public, protected, private
6. Data:
   a) Malloc sizes.
   b) free: when needed.
   c) String termination.
   d) Unused variables.
7. Checking:
   a) Complete functions.
   b) All compiler warnings are removed.
8. Followed coding standards.
9. Program is efficient.