Short Answers

1. What is a keyword? List 3
   1. It is a reserved type used to defining variables, methods, classes, etc.
2. List and describe 3 types of errors:
   1. Compile-time error = an error that occurs during compile, and usually prevents the program from running or compiling
   2. Runtime error = An error that occurs at runtime, and can but doesn’t always crash the program
   3. Logic error = An annoying error that occurs when the programmer writes something that could be sound, but causes the program to behave erroneously (i.e. using a + instead of a -, or order of operations)
3. What is the difference between print() and println() functions
   1. print(String arg0) is a method that will take your parameter (arg0) and print it to console
   2. println(String arg0) is a method that will take your parameter, append it with a newline character (\n) and then print it to console
4. List 2 objects that are used for terminal input and output in Java programs
   1. System.in
   2. System.out
5. What is the purpose of an input statement in Java
   1. It allows user interaction in your program, i.e. allowing user to enter their own values for variables
6. What is a variable?
   1. It is a container used for holding data of a certain type as defined by the programmer
7. List the 4 rules for variable names
   1. Must be alphanumeric (A-Z, a-z, 0-9)
   2. Can’t have spaces
   3. Can’t be keywords
   4. Helps to have useful names
8. What is the assignment operator?
   1. It sets the (hopefully) variable on the left to the value on the right (You can set 3 = 4 in C++, and it’s hilarious)
9. What is a class?
   1. It is a bytecode file of your program that is able to be read and executed by machines
10. What does inheritance mean?
    1. It means that a class will use the same methods, variables, etc. as another class, and possibly adding its own