- 4. How are standard methods like String.toUpperCase() incorporated into the JVM?
 .method public toUpperCase(S)S
- 5. What is the difference between a field and a local variable? **fields within classes are named, not numbered**
- 6. What is the difference between invokevirtual and invokestatic?

From the programmer's viewpoint, there is no difference between invokevirtual and invokespecial, but our standard boilerplate code

- 7. Why do static methods take one fewer than nonstatic arguments?

 Because for static methods the object is in location 0.
- 8. What is the corresponding type string for the following methods?
- a. float toFloat(int) → .method public toFloat(F)I
- b. void printString(String) → .method public printString(S)S
- c. float average(int, int, int, int) → .method public average(IIII)I
- d. float average(int []) → .method public average([I)F
- e. double [][] convert(long [][]) → .method public convert([[L)[[D
- f. boolean isTrue(boolean) → .method public isTrue(Z)Z
- 9. What is special about the <init> method?

It is invoked with invokespecial