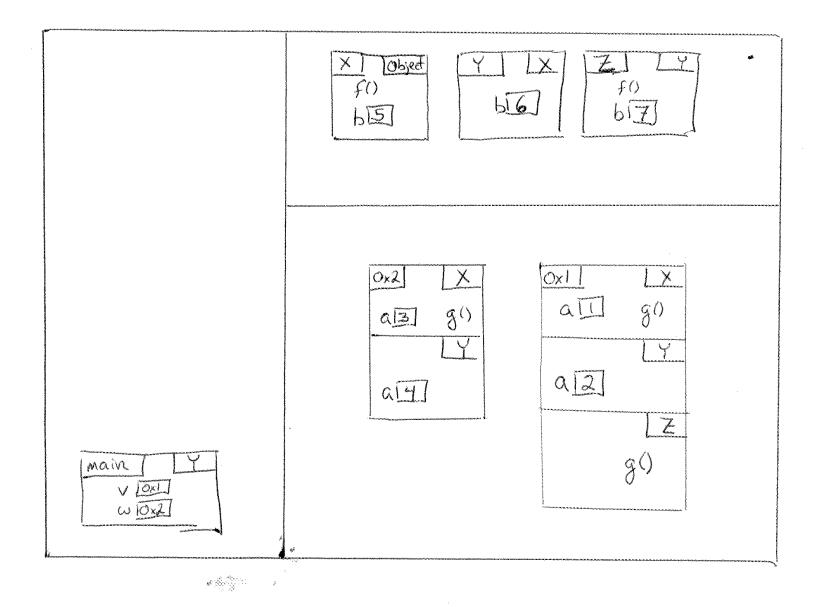
CSC 207H 2011 L0101 Quiz 2 Duration — 25 minutes Aids allowed: none	Student Number:	
Last Name:	First Name:	
(Please fill out the identific	ation section above and read the instru $Good\ Luck!$	actions below.)
This midterm consists of 2 questions or you receive the signal to start, please n If you use any space for rough work or	nake sure that your copy is complete.	# 1:/ 9 # 2:/ 4
what you want marked to indicate that	,	TOTAL:/13



CONT'D...

Question 1. [9 MARKS] These questions all have to do with the memory model on the opposite page. None of the variables and methods are private. Part (a) [5 MARKS] If v's type is Y:
• What is the value of v.a?
• What is the value of v.b?
• If the expression v.g() is in the main method, which method is called?
Method g in the 0x1 object, in the X part.
Method g in the 0x1 object, in the Z part.
Method g in the 0x2 object, in the X part.
Method g in the 0x2 object, in the Z part.
None of the above, v.g() wouldn't compile.
• Which method is called by v.f()?
The f in the X box.
The f in the Y box.
The f in the Z box.
None of the above, v.f() wouldn't compile.
• Which method is called by ((X) v).g()?
Method g in the 0x1 object, in the X part.
Method g in the 0x1 object, in the Z part.
Method g in the 0x2 object, in the X part.
Method g in the 0x2 object, in the Z part.
None of the above, ((X) v).g() wouldn't compile.
Part (b) [4 MARKS]
If w's type is X:
• What is the value of ((Y) w).a?
• What is the value of w.b?
• If the expression w.g() is in the main method, which method is called?
The one in the 0x1 object, in the X part.
The one in the 0x1 object, in the Z part.
The one in the 0x2 object, in the X part.
The one in the 0x2 object, in the Z part.
None of the above, w.g() wouldn't compile.
• Which method is called by w.f()?
The f in X.
The f in Y.
The f in Z.

None of the above, w.f() wouldn't compile.

Question 2. [4]	MARKS
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These are all true/false statements. Check the appropriate box for each.

Part (a) [1 MARK]

A \mathtt{static} method in a class \mathtt{C} can always make use of a static variable in class \mathtt{C} , even if both the variable and the method are private.

True	False
1140	I COLD

Part (b) [1 MARK]

When you write an interface, you can put a semicolon at the end of the method headers that you don't want to write code for, and you can write code for the bodies of the methods that you know how to implement.

	True		False
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Part (c) [1 MARK]

In the call ref.foo(), foo has to be an instance method.

True	False
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Part (d) [1 MARK]

The following code compiles as long as C and D are in the same package.

Use this page for rough work and for any answers that didn't fit.

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Last Name: _____ First Name: _____